

# **Structural Characteristics of the Dose Assessment Methodology and Origin and Content of the Databases**

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## A2.1. INTRODUCTION

The purpose of the study is to estimate collective doses for the entire population of the contiguous United States, as well as representative doses to individuals in each county, resulting from atmospheric bomb testing at the Nevada Test Site. The study is limited to the assessment of thyroid doses from  $^{131}\text{I}$ .

The most important exposure route to man from  $^{131}\text{I}$  in fallout is from the ingestion of fresh cows' milk contaminated by the deposition of  $^{131}\text{I}$  onto pasture grass. The doses from this exposure route have been investigated in as much detail as possible. Other, generally less important, exposure routes also have been considered:

- inhalation,
- ingestion of goats' milk,
- ingestion of eggs,
- ingestion of leafy vegetables, and
- ingestion of cottage cheese.

In the course of the dose assessment, it was necessary to set up several databases containing information on input parameters which varied in space and/or time. The origin, organization, and content of these databases are herein described.

## A2.2. DESCRIPTION OF THE DATABASES

Some of the databases are used in a specific part of the study while others have more general application. The latter are discussed first.

### A2.2.1. Databases with General Application

#### (1) Geographical subdivisions

When available in the literature, the statistical data of interest in this study are provided at the county or at the state level. There are about 3000 counties in the 48 contiguous United States. Although the counties differ widely in area and population across the U.S., it was considered appropriate to use the county as the geographical unit and to carry out the dose assignments for each county. From 1950 to 1980, the definition of the counties remained the same with a few exceptions. For reasons of convenience, the definition used here is that of 1974, which was provided as a computer tape by the ORNL (Olson, Emerson and Nungesser 1980).

In that year, there were 3071 counties in the contiguous United States. Each of the counties is characterized by a Federal Information Processing System (FIPS) code designated by the U.S. government. The first two digits denote the state and the last three identify the county. For example, Nye county in Nevada is identified as 32009. The FIPS codes are used in this assessment for all but 14 counties.

The 14 counties which received a special treatment are all situated in the vicinity of the NTS. Environmental monitoring showed that, in that part of the country, there were substantial variations in the deposition of  $^{131}\text{I}$  resulting from some of the tests. Consequently, each of those 14 counties was subdivided into two to four parts deemed to be relatively homogeneous with respect to deposition as well as to other factors (pasture practices and milk distribution). The 14 counties of interest were subdivided into a total of 37 sub-counties and assigned new identification codes. The counties subdivided are shown on Figures A2.1 to A2.5. When there is no ambiguity as to what is meant, both the 3057 undivided counties and the 37 sub-counties are referred to as "counties" in this report. A detailed presentation of the data related to the 37 sub-counties is given in **Section A2.3**.

**Section A2.4** (Attachment to Appendix 2) contains the area of each county, as well as the longitude and latitude of each county centroid. These data were provided in the ORNL database for the 3057 undivided counties; they were estimated for the 37 subcounties.

The distance from each county centroid to the NTS, the location of which is taken to be 37.00°N and 116.00°W, is also included in **Section A2.4**. This distance was calculated assuming the entire territory of the contiguous U.S. to be a flat surface.

#### (2) Population

The total population in each county is used to estimate the expected milk consumption and, in some cases, the average milk consumption rate. The distribution of the population with age and sex is necessary to compute the collective dose to the entire population of the contiguous United States.

The population data were obtained from EPA (Riggan 1985) in the form of a computer tape. This database includes, for each county and each year from 1950 to 1979, the population in each of the following categories:

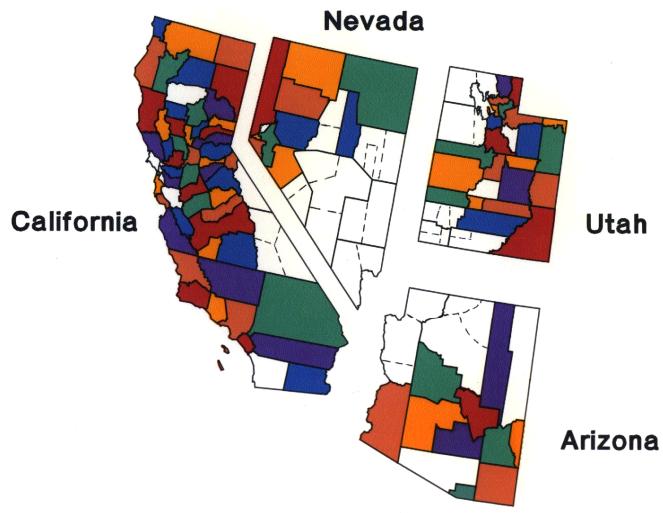
Age (years): 0-4; 5-9; 10-14; 15-19; 20-24; 25-29;  
30-34; 35-39; 40-44; 45-49; 50-54;  
55-59; 60-64; >65

Sex and race: white male, white female, non-white male,  
non-white female.

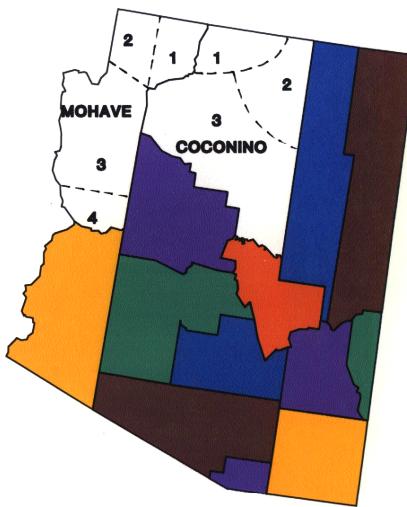
The most important tests considered in the dose assessment occurred between 1951 and 1957. For the purpose of this study, it was considered adequate to use the 1954 population data for each test.

The population data for the 37 sub-counties were derived from the Population Censuses of 1950 and 1960. A preliminary estimate of the 1954 population in each sub-county was obtained by linear interpolation of the 1950 and 1960 data given in the Population Censuses. The total of the preliminary estimates for a given county was then adjusted to the value found in the EPA database using a correction factor. That correction factor was then applied to the preliminary estimates of the population in each sub-county in order to obtain the final estimates.

**Figure A2.1.** Identification of the counties in the vicinity of the NTS. The counties left blank have been subdivided according to the dashed lines.



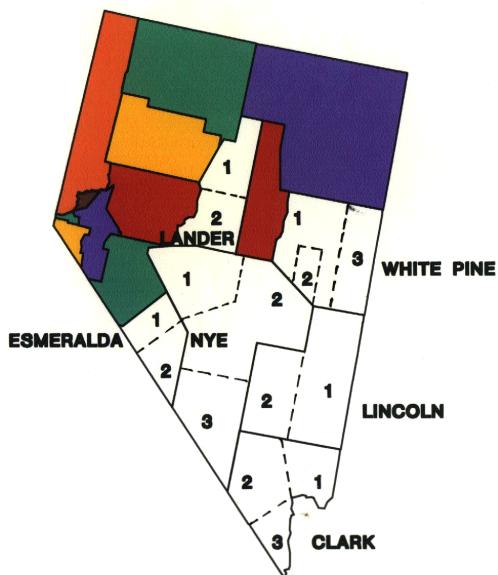
**Figure A2.2.** Geographical subdivisions for the state of Arizona. The solid lines represent the county boundaries. The counties left blank have been subdivided according to the dashed lines. The numbers identify the sub-counties (see Table A2.1 for further information).



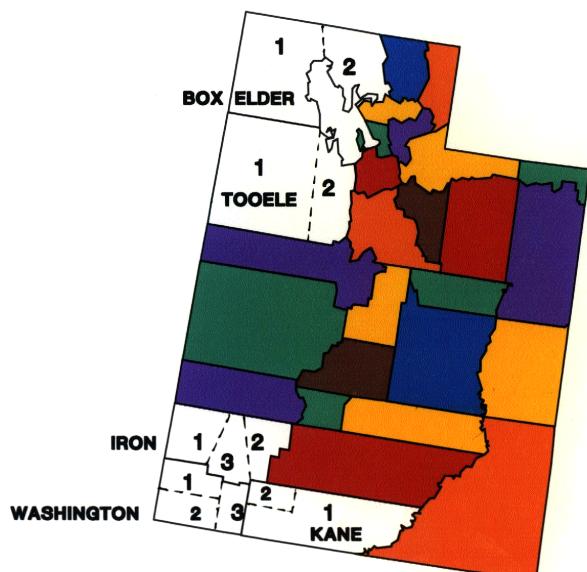
**Figure A2.3.** Geographical subdivisions for the state of California. The solid lines represent the county boundaries. The counties left blank have been subdivided according to the dashed lines. The numbers identify the sub-counties (see Table A2.1 for further information).



**Figure A2.4.** Geographical subdivisions for the state of Nevada. The solid lines represent the county boundaries. The counties left blank have been subdivided according to the dashed lines. The numbers identify the sub-counties (see Table A2.1 for further information).



**Figure A2.5.** Geographical subdivisions for the state of Utah. The solid lines represent the county boundaries. The counties left blank have been subdivided according to the dashed lines. The numbers identify the sub-counties (see Table A2.1 for further information).



### (3) Precipitation

The precipitation data are used to calculate the  $^{131}\text{I}$  ground deposition as well as the fraction of the  $^{131}\text{I}$  ground deposition that is intercepted by vegetation. The precipitation data were compiled by NOAA using as a basis the very dense national network of precipitation monitoring stations operated for that governmental organization by cooperative observers. This network, with rare exceptions, provides at least one measurement location in each of the counties of the contiguous United States.

The rainfall amounts represent 24-h accumulations ending usually at 9:00 a.m. local time or an hour or two displaced from that time. For the purposes of this report, a single precipitation value for each day, being the arithmetic average of all readings in the county, was assigned to a county and assumed to be located at the county's geographical centroid. Counties without data were rare, but were assigned amounts of rainfall based on measurements from locations in adjacent counties. The amounts of rain were categorized on a logarithmic scale by index value as shown below.

Relationship between the 24-h precipitation amount and the precipitation index:

24-h precipitation amount		
Precipitation index number	(Inches)	(Millimeters)
1	none	none
2	trace	trace
3	0.01-0.03	0.25-0.76
4	0.03-0.10	0.76-2.5
5	0.10-0.30	2.5-7.6
6	0.30-1	7.6-25
7	1-3	25-76
8	3-5	76-127
9	5 or over	127 or over

The precipitation data are available for each day between 1951 and 1962 in which substantial  $^{131}\text{I}$  depositions from nuclear weapons testing at the NTS are found, or are predicted, to have occurred.

#### A2.2.2. Specific Databases Related to Deposition

Monitoring of long-range fallout deposition in the U.S. in the 1950s was carried out primarily by the Health and Safety Laboratory (HASL) of the Atomic Energy Commission in cooperation with the U.S. Weather Bureau (Beck 1984; Harley et al. 1960). The HASL deposition network evolved gradually, beginning in the fall of 1951 with the Buster-Jangle test series. The original monitoring technique consisted of collectors which were trays of water; these were soon replaced by gummed paper for the 1952 Tumbler-Snapper test series. The gummed paper was replaced by an acetate-backed rubber-base cement gummed film in 1953, and this medium was used until the program ended in 1960.

A 1 square foot ( $0.093 \text{ m}^2$ ) exposed area of gummed film was positioned horizontally on a stand 3 feet (0.9 meter) above the ground. Usually two replicate films were exposed during a 24-h period beginning at 1230 Greenwich Mean Time (GMT) for the Upshot-Knothole, Teapot, Plumbbob and Hardtack Phase-II series and at 1830 GMT for the Buster-Jangle and Tumbler-Snapper series. Daily high volume air samples also were collected at many of the gummed-film sites, as well as at additional sites where there was no gummed-film collector.

The number and types of monitoring sites in operation in the U.S. changed from one test series to another. Although only about 40 sites operated continuously throughout the atmospheric testing era, the number generally was increased during the testing periods and reached a maximum of 95 in 1953 (Upshot-Knothole series).

Estimates of daily deposition of  $^{131}\text{I}$  were derived from those gummed-film data for the tests carried out between November 1951 and November 1958. The complete results are provided in the Annexes.

### A2.2.3. Specific Databases Related to Pasture Intake

The pasture feeding practices of dairy cows between 1951 and 1962 were not directly measured. The estimates of pasture intake and length and timing of the pasture season that were reported are averaged for each state over a 10 year period of time. Information collected from expert opinions were for the same time period over an entire state. It is clear that these practices varied from farmer to farmer and county to county in all states; however, in certain cases a definite dividing line between areas of the state were clear. These states, as well as the states close to the Nevada Test Site, were divided into more than one pasture region. The 71 pasture regions are shown in *Figure A2.6*.

### A2.2.4. Specific Databases Related to Cows' Milk

Data for milk production, utilization, distribution and consumption are available on a state average or regional basis. The following data are available for each state:

- average milk production for state in 1954,
- milk consumed on farms in 1954,
- milk used for non-fluid use on farms in 1954, and
- milk used for manufacture of dairy products in 1954.

On a regional basis the following data are available:

- milk consumption rates used to determine milk use.

This information is used to derive estimates of annual volumes of milk produced, utilized, and distributed on a county basis. Modeling milk distribution across the country is extremely difficult to do for the 1950s. In general, information exists on the directions of the flow of milk but not much on the volume of milk shipped. It is likely that local distribution was controlled by demand and price, which fluctuated rapidly. It is assumed that milk flowed freely between adjacent counties, therefore by grouping counties into "regions," this flow would be easily simulated. The 3094 counties were grouped into 429 milk regions using established crop reporting districts, metropolitan areas, and proximity to the Nevada Test Site boundaries as guidelines. The boundaries of the 429 are shown in *Figure A2.7*. The federally administered Milk Market Order system published a list of the counties that provided milk to each particular Milk Market Order in the late 1950s and early 1960s. This information was used to estimate the transfer of milk between regions. For each county, demographic information on the age and sex distribution is available. Milk consumption rates and dose conversion factors are assigned to each of these categories.

## A2.3. DATA RELATED TO THE CLOSE-IN COUNTIES

The counties close to the Nevada Test Site are treated in greater detail due to the larger degree of complexity of fallout deposition patterns and the increased number of measurements made at the time of the tests. The area that will be discussed in detail in this section includes the complete states of Utah and Nevada and parts of Arizona and California; these areas are illustrated in *Figures A2.1* to *A2.5*. Fourteen counties in these states have been subdivided. The boundaries of the subdivisions were assigned on the basis of the fallout deposition and exposure measurements taken in these counties during the 1950s and 1960s (Beck and Anspaugh 1991; Thompson and Hutchinson 1990). The measurement locations were chosen to monitor the most populated areas of the county. The general characteristics of these subdivisions (description, code numbers, etc.) can be found in *Table A2.1*.

### A2.3.1. Populations and Areas

The population of all the counties in the U.S. were obtained from EPA (Riggan 1985). The population by township that are reported in the U.S. Census every 10 years (USDC 1950; USDC 1960) were interpolated to estimate the population in the sub-county divisions in 1954. These estimates are listed in *Table A2.2*.

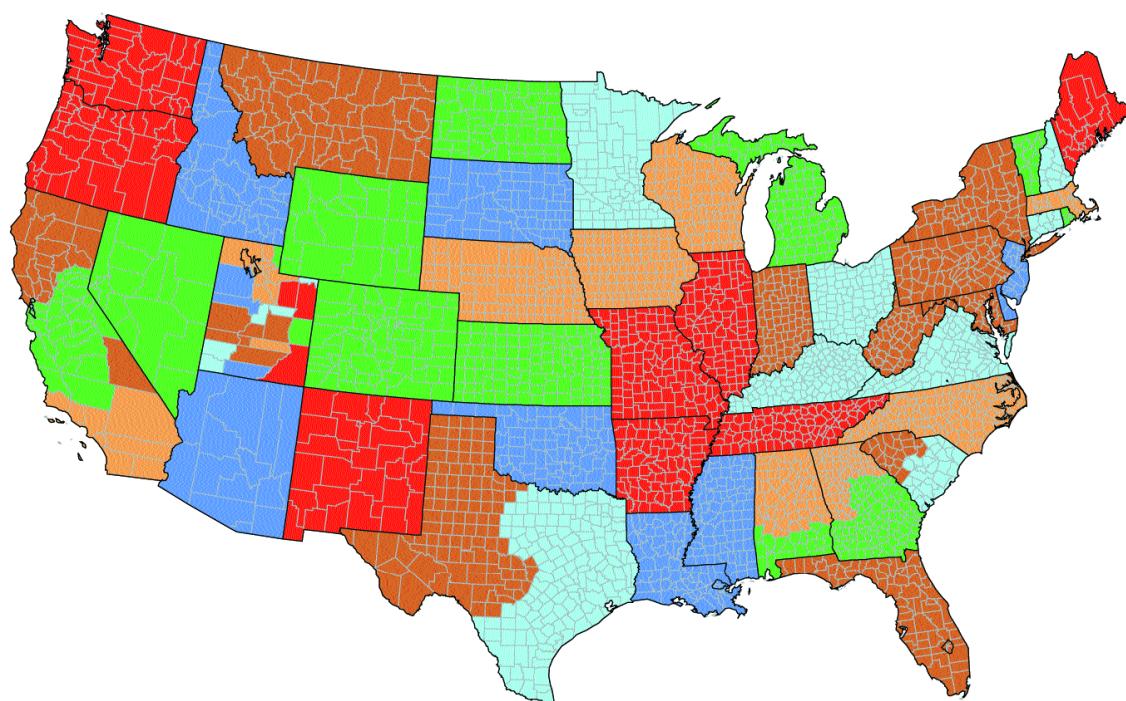
The areas of the sub-counties were estimated and also can be found on *Table A2.2*.

### A2.3.2. Deposition

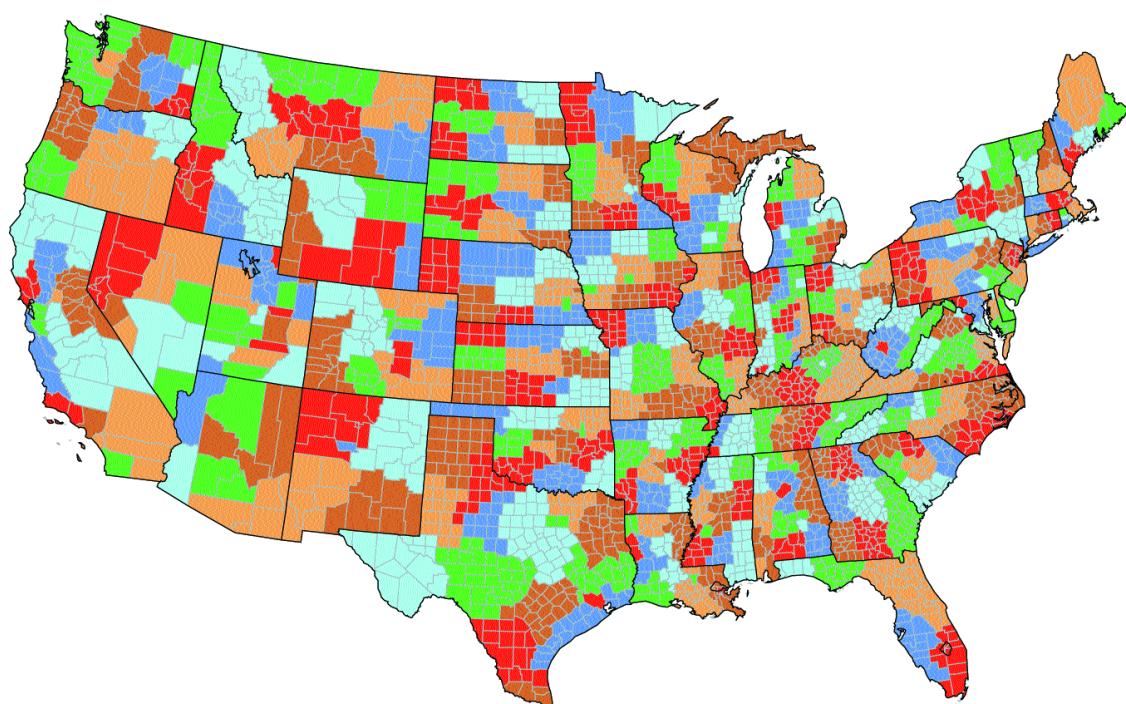
For counties near the NTS, the primary data are exposure-rate measurements using portable survey instruments. An extensive program of exposure-rate measurements was carried out in a few counties near the NTS for several days following each test. These exposure rate measurements, together with other, less extensive, monitoring data, were evaluated and archived by the Offsite Radiation Exposure Review Project (ORERP) of the Department of Energy. From these data, a Town Data Base (Thompson and Hutchinson 1990) and a County Data Base (Beck and Anspaugh 1991) were derived:

1. the Town Data Base (TDB) lists the time of arrival of the radioactive cloud produced by each test and the exposure rate normalized at 12 hours after detonation ( $H + 12$ ) at 173 stations, representing inhabited locations, in 4 counties of Nevada (Clark, Esmeralda, Lincoln, and Nye) and in Washington County, Utah. The use of  $H + 12$  as the standard time to report exposure rates is an agreed-upon convenience; fallout may have been deposited on the ground before or after  $H + 12$ ;

**Figure A2.6.** Identification of the pasture regions used in the dose assessment.



**Figure A2.7.** Identification of the “milk regions” used in the dose assessment.



2. the County Data Base (CDB) lists the estimated times of initial arrival of the radioactive cloud and the estimated exposure rates normalized at H + 12 in 24 subdivided areas of nine counties in Arizona, California, Nevada, and Utah, along with similar information for 120 additional counties (i.e., not subdivided) in Arizona, California, Colorado, Idaho, New Mexico, Nevada, Oregon, Utah, and Wyoming.

Estimates of deposition of  $^{131}\text{I}$  per unit area of ground were derived from the exposure rates normalized at 12 hours after detonation, together with the corresponding times of arrival of the radioactive cloud. The complete results are presented in the form of Tables as well as of Figures in the Annexes.

#### **A2.3.3. Number of Cows and Farms**

During the early 1960s, the Public Health Service compiled a directory of farms and cows on the farms "to be used by the Off-Site Surveillance Program in selecting and locating desirable milk sampling points that would be of interest in support of particular events conducted at the Nevada Test Site" (PHS 1964). The PHS data available for each sub-county considered in this report are presented in *Table A2.2*. However, the total number of cows and farms in each county, reported in the Census of Agriculture (USDC 1954), usually does not match the data published by PHS (1964). In this report, the numbers reported in the 1954 Census of Agriculture (USDC 1954) were used but the general trend displayed by the PHS data was followed. A comparison of the two sets of data is presented in *Table A2.2* along with the values adopted in this report for the number of cows and farms in each sub-county.

#### **A2.3.4. Pasture Intake**

Estimates of the amount of pasture consumed by cows and the length of the pasture season for these counties are reported in detail in Ward and Whicker (1987). Estimates for the close-in counties and subdivisions are presented in *Table A2.3*.

#### **A2.3.5. Milk Production and Utilization**

The volumes of milk annually produced and utilized for various purposes have been estimated for each sub-county and the year 1954 on the basis of the number of cows and farms presented in *Table A2.2* and using the methodology described in **Chapter 5** of this report. Results are presented in *Table A2.4*.

#### **A2.3.6. Milk Distribution**

The milk distribution in the close-in counties was estimated using the data provided in Ward and Whicker (1987). The report provides data for the source of the milk supply to a given town or rural area in a county and the proportions of the milk supply that came from the other locations. These data were followed as much as possible, due to the different approaches of the two studies. Details of the milk distribution are presented on *Table A2.5*.

**Table A2.1.** Characteristics of county subdivisions near the NTS

State, county and FIPS code	No. of subdivisions	"fake" FIPS code	Definition	Deposition	Pasture region number	Milk region number
AZ Coconino 04005	3	04501 04502 04503	Kalbab division Reservation division Coconino and Williams divisions	Freドnia (CDB) RimTuba (CDB) Flagstaff-Williams (CDB)	AZ-north AZ-north AZ-north	403 404 405
AZ Mohave 04015	4	04151 04152 04153 04154	Mohave No. div. (West) Mohave No. div. (East) Kingman North division Kingman South division	Moccasin (CD8) Littlefield (CDB) Kingman (CDB) Kingman (CDB)	AZ-north AZ-north AZ-north AZ-north	399 400 401 402
CA Inyo 06027	3	06271 06272 06273	Bishop&Independence div. Lone Pine div. Death Valley div.	Bishop (CDB) Bishop (CDB) Furnace creek (CD8)	CA-Inyo CA-Inyo CA-Inyo	406 407 408
NV Clark 32003	3	32301 32302 32303	Bunkerville, Logandale, Mesquite, Moapa, and Overton townships Goodsprings, Henderson, and Las Vegas twp. Davis Dam, Nelson, and Searchlight twp.	average deposition In the 5 twp. (TDB)	Nevada	373
NV Esmeralda 32009	2	32901 32902	Fishlake, Millers, and Silverpeak twp. Goldfield, Goldpoint, and Lida twp.	Average deposition In the 3 twp. (TDB) Average deposition In the 3 twp. (TDB)	Nevada Nevada	415 415
NV Lander 32015	2	32551 32552	Argenta township Austin township	Battle Moun. (CDB) Austin (CDB)	Nevada Nevada	409 409
NV Lincoln 32017	2	32171	Callente, Panaca, and Ploche twp.	Average deposition In the 3 twp. (TDB)	Nevada	411
NV Nye 32023	3	32172 32231 32232 32233	Alamo township Gabbs, Manhattan, and Round Mountain twp. Tonopah township Beatty township	Alamo (TDB) Average deposition In the 3 twp. Tonopah (TD8) Beatty (TDB)	Nevada Nevada Nevada Nevada	411 370 413 414
NV White Pine 32033	3	32331 32332 32333	Cherry Creek, Ely, Hamilton, and Newark townships Lund and Preston twp. Osceola&Muncy townships	Ely (CDB) Lund/Pre (CDB) Baker (CDB)	Nevada Nevada Nevada	410 417 410
UT Box Elder 49003	2	49931 49932	West Box Elder div. Bear River, Benchland,	Rosette (CDB) Tremonton (CDB) Brigham City, and Howell-Snowville div.	UT-1 UT-1	418 418
UT Iron 49021	3	49211 49212 49213	Beryl-Newcastle div. Parowan division Cedar City division	Modena (CDB) Parowan (CDB) Cedar City (CDB)	UT-10 UT-10 UT-10	423 423 423
UT Kane 49025	2	49251 49252	Kanab division Orderville division	Kanab (CDB) Orderville (CDB)	UT-10 UT-12	428 428
UT Tooele 49045	2	49451 49452	Dugway-Wendover div. Onaqui and Tooele- Grantsville divisions	West (CDB) East (CDB)	UT-4 UT-4	421 421
UT Washington 49053	3	49531 49532 49533	Enterprise division St George division (without Washington) Hurricane division (+ Washington)	Enterprise (CDB) St Georgs (CDB) Hurricane (CDB)	UT-11 UT-11 UT-11	424 424 424

**Table A2.2.** Number of cows and farms in each of the subcounties considered.

		Data from the 1954 Census of Agriculture		Data from the 1964 PHS Directory		Adopted values in this report	
County or Sub-county	FIPS code	Cows	Farms	Cows	Farms and Dairies	Cows	Farms
AZ, Coconino	04005	383	96	30	17	383	96
Sub-county 1	04501			0	0	20	6
Sub-county 2	04502			0	0	1	1
Sub-county 3	04503			30	17	362	89
AZ, Mohave	04015	336	67			336	67
Sub-county 1	04151			0	0	1	1
Sub-county 2	04152			0	0	8	8
Sub-county 3	04153			135	36	324	54
Sub-county 4	04154			2	2	4	4
CA, Inyo	06027	527	34	365	23	527	34
Sub-county 1	06271			254	15	370	22
Sub-county 2	06272			111	8	156	11
Sub-county 3	06273			0	0	1	1
NV, Clark	32003	1565	108	3442	23	1565	108
Sub-county 1	32301			3315	21	1364	87
Sub-county 2	32302			127	2	200	20
Sub-county 3	32303			0	0	1	1
NV, Esmeralda	32009	22	10	17	11	22	10
Sub-county 1	32901			15	9	18	8
Sub-county 2	32902			2	2	4	2
NV, Lander	32015	69	22	37	22	69	22
Sub-county 1	32551			13	9	33	10
Sub-county 2	32552			24	13	36	12
NV, Lincoln	32017	444	78	548	26	444	78
Sub-county 1	32171			30	18	70	60
Sub-county 2	32172			518	8	374	18
NV, Nye	32023	340	76	61	42	340	76
Sub-county 1	32231			41	34	270	60
Sub-county 2	32232			11	5	50	10
Sub-county 3	32233			9	3	20	6
NV, White Pine	32033	642	86	413	31	642	86
Sub-county 1	32331			18	6	50	15
Sub-county 2	32332			373	20	536	54
Sub-county 3	32333			22	5	56	17
UT, Box Elder	49009	8076	1027	245	4	8076	1027
Sub-county 1	49931					160	20
Sub-county 2	49932			245	4	7916	1007
UT, Iron	49021	980	259	309	7	980	259
Sub-county 1	49211			79	2	197	52
Sub-county 2	49212			40	1	58	16
Sub-county 3	49213			190	4	725	191
UT, Kane	49025	287	107			287	107
Sub-county 1	49251					189	71
Sub-county 2	49252					98	36
UT, Tooele	49045	979	225			979	225
Sub-county 1	49451					200	47
Sub-county 2	49452					779	178
UT, Washington	49053	2127	469			2127	469
Sub-county 1	49531					188	42
Sub-county 2	49532					1211	267
Sub-county 3	49533			139	3	728	160

**Table A2.3.** Summary of parameter values related to pasture practices for the subdivided close-in counties.

State	Code	Total dry matter intake (kg d <sup>-1</sup> )	Fraction of diet from pasture	Daily pasture intake (kg d <sup>-1</sup> )	Pasture Season		
					Start	Stop	Duration (d)
Arizona	04501	14.4	0.35	5.0	106	278	183
	04502	14.4	0.35	5.0	106	278	183
	04503	14.4	0.35	5.0	106	278	183
	04151	14.4	0.35	5.0	106	278	183
	04152	14.4	0.35	5.0	106	278	183
	04153	14.4	0.35	5.0	106	278	183
	04154	14.4	0.35	5.0	106	278	183
California	06271	17.0	0.13	2.2	136	258	123
	06272	17.0	0.13	2.2	136	258	123
	06273	17.0	0.13	2.2	136	258	123
Nevada	32301	17.4	0.15	2.6	136	273	138
	32302	17.4	0.15	2.6	136	273	138
	32303	17.4	0.15	2.6	136	273	138
	32901	17.4	0.15	2.6	136	273	138
	32902	17.4	0.15	2.6	136	273	138
	32551	17.4	0.15	2.6	136	273	138
	32552	17.4	0.15	2.6	136	273	138
	32171	17.4	0.15	2.6	136	273	138
	32172	17.4	0.15	2.6	136	273	138
	32231	17.4	0.15	2.6	136	273	138
	32232	17.4	0.15	2.6	136	273	138
	32233	17.4	0.15	2.6	136	273	138
	32331	17.4	0.15	2.6	136	273	138
	32332	17.4	0.15	2.6	136	273	138
	32333	17.4	0.15	2.6	136	273	138
Utah	49931	13.5	0.55	7.4	136	258	123
	49932	13.5	0.55	7.4	136	258	123
	49211	13.5	0.07	0.9	128	266	139
	49212	13.5	0.07	0.9	128	266	139
	49213	13.5	0.07	0.9	128	266	139
	49251	13.5	0.80	10.8	121	273	153
	49252	13.5	0.80	10.8	121	273	153
	49451	13.5	0.50	6.8	136	258	123
	49452	13.5	0.50	6.8	136	258	123
	49531	13.5	0.45	6.1	144	250	107
	49532	13.5	0.45	6.1	144	250	107
	49533	13.5	0.45	6.1	144	250	107

**Table A2.4.** Summary of milk production and utilization data for each of the sub-counties considered.

State	Code	Area	Pop	Farms	MCF	MUF	Cows	MP	MM	CR	E	TMFU	MB
Arizona	04501	7203	611	6	29	6	20	148	0	300	148	142	-5
	04502	16807	10346	1	5	0	1	7	0	300	2498	7	-2491
	04503	24009	20586	89	431	106	362	2679	0	300	4970	2572	-23
	04151	5135	227	1	5	0	1	7	0	300	55	7	-48
	04152	6846	227	8	39	2	8	59	13	300	55	43	-11
	04153	15404	6291	54	261	95	324	2390	543	300	1519	1752	233
	04154	6846	1441	4	19	1	4	30	0	300	348	28	-320
California	06271	10495	8297	22	39	61	370	2268	0	380	2535	2207	-328
	06272	5247	2464	11	53	56	156	2075	1023	380	753	996	243
	06273	10495	910	1	28	2	1	84	0	380	278	82	-196
Nevada	32301	5098	2593	87	225	538	1364	7270	3577	380	629	3155	2526
	32302	11217	74220	20	52	79	200	1066	0	380	18009	98	-17022
	32303	4079	4933	1	3	0	1	5	0	380	1197	5	-1192
	32901	5548	267	8	21	7	18	96	47	380	65	42	-23
	32902	3698	347	2	5	2	4	21	0	380	84	20	-64
	32551	7279	406	10	26	13	33	176	87	380	99	76	-22
	32552	7279	1325	12	31	14	36	192	0	380	322	178	-144
	32171	13790	2887	60	155	28	70	373	0	380	701	345	-355
	32172	13790	355	18	47	148	374	1993	981	380	86	865	779
	32231	16375	816	60	155	107	270	1439	708	380	198	625	427
	32232	16375	2065	10	2B	20	50	267	0	380	501	247	-254
	32233	4913	760	6	16	8	20	107	0	380	184	99	-86
	32331	13560	8936	15	78	39	50	533	0	380	2168	494	-1675
	32332	2260	296	54	72	211	536	2857	1406	380	72	1308	123B
	32333	6780	358	17	5	2	56	32	0	380	87	30	-57
Utah	49931	10158	438	20	52	48	160	1106	768	300	106	289	183
	49932	4354	21561	1007	2631	2397	7916	54700	37996	300	5206	14306	9101
	49211	4273	605	52	42	18	197	401	278	300	146	105	-41
	49212	2564	2034	16	136	60	58	1361	946	300	491	356	-135
	49213	1709	7496	191	499	220	725	5010	3480	300	1810	1310	-500
	49251	8594	1516	71	186	57	189	1306	907	300	366	342	-24
	49252	1517	941	36	94	30	98	677	470	300	227	177	-50
	49451	13447	3278	47	123	61	200	1382	960	300	791	361	-430
	49452	4482	12733	178	465	236	779	5383	3739	300	3074	1408	-1667
	49531	1571	887	42	110	57	188	1299	902	300	214	340	126
	49532	2200	5702	267	698	367	1211	836	5813	300	1377	2189	812
	49533	2514	3430	160	418	220	728	5030	3494	300	828	1316	488

Pop = Population in county

Farms = Number of farms in county

MCF = Milk consumed on farms in county (klbs)

MUF = Milk used on farms for non-fluid consumption in county (klbs)

Cows = Number of cows in the county

MP = Total milk produced in county (klbs)

MM = Milk used for manufacturing in county (klbs)

CR = Average consumption rate in state (mL d<sup>-1</sup>)

E = Expected consumption of population in county (klbs)

TMFU = Total fluid milk available for consumption in county (klbs)

MB = Milk balance (surplus or deficit of milk in county) (klbs)

**Table A2.5.** Volumes of milk (thousands of pounds) distributed between surplus and deficit regions in the southwestern United States during the 1950s. The counties close to the Nevada Test Site are included in this area. The table includes an indication of the sources of information and the level of certainty in the estimate. The region numbers are shown on the maps in Part 3 of Appendix 5. The degree of certainty of the data is as follows: 1 = highest certainty using available data; 2 = less certainty, educated estimate; 3 = least certainty.

Milk distributed from surplus region		Milk received by deficit regions				
Region number	State	Region number	State	Volume transferred (x1000 lb)	Source of information	Level of certainty
213	IOWA	352	NEW MEXICO	7000.	transfer to balance	3
213	IOWA	344	COLORADO	26591.	transfer to balance	3
280	NEBRASKA	344	COLORADO	1000.	shipped to Denver (Feder & Williams 1954)	1
292	KANSAS	353	NEW MEXICO	2677.	shipped to Albuquerque (Ward & Whicker 87)	1
292	KANSAS	354	NEW MEXICO	1330.	shipped to Albuquerque (Ward & Whicker 87)	1
293	KANSAS	344	COLORADO	10000.	mmo data - SW Kansas 1963 report	1
293	KANSAS	353	NEW MEXICO	3720.	mmo data - SW Kansas 1963 report	1
293	KANSAS	354	NEW MEXICO	3720.	mmo data - SW Kansas 1963 report	1
293	KANSAS	352	NEW MEXICO	3804.	mmo data - SW Kansas 1963 report	1
295	KANSAS	344	COLORADO	10000.	mmo data - SW Kansas 1963 report	1
295	KANSAS	353	NEW MEXICO	2676.	mmo data - SW Kansas 1963 report	1
296	KANSAS	349	COLORADO	3795.	mmo data - SW Kansas 1963 report	1
296	KANSAS	344	COLORADO	2000.	mmo data - SW Kansas 1963 report	1
296	KANSAS	353	NEW MEXICO	1163.	mmo data - SW Kansas 1963 report	1
296	KANSAS	354	NEW MEXICO	1163.	mmo data - SW Kansas 1963 report	1
296	KANSAS	352	NEW MEXICO	3000.	mmo data - SW Kansas 1963 report	1
301	OKLAHOMA	366	ARIZONA	341.	Central Arizona mmo	1
315	TEXAS	353	NEW MEXICO	10000.	Central West Texas mmo (AAES1978)	1
315	TEXAS	354	NEW MEXICO	8000.	Central West Texas mmo (AAES1978)	1
315	TEXAS	355	NEW MEXICO	1737.	Central West Texas mmo (AAES1978)	1
339	WYOMING	418	UTAH	500.	Ward & Whicker 1987	1
342	WYOMING	345	COLORADO	1222.	deficit neighbor	2
342	WYOMING	344	COLORADO	1045.	deficit neighbor	1
343	COLORADO	344	COLORADO	34583.	Eastern Colorado mmo	1
346	COLORADO	344	COLORADO	10000.	Eastern Colorado mmo	1
346	COLORADO	347	COLORADO	14815.	Colorado Springs mmo	1
346	COLORADO	349	COLORADO	1013.	Colorado Springs mmo	1
346	COLORADO	350	COLORADO	1205.	deficit neighbor	2
348	COLORADO	353	NEW MEXICO	500.	Rio Grande mmo	1
348	COLORADO	352	NEW MEXICO	500.	Rio Grande mmo	1
348	COLORADO	347	COLORADO	3710.	Colorado Springs mmo	1
348	COLORADO	361	UTAH	387.	guess to balance	3
348	COLORADO	350	COLORADO	2000.	deficit neighbors	1
351	NEW MEXICO	352	NEW MEXICO	20000.	Rio Grands mmo	1
351	NEW MEXICO	354	NEW MEXICO	3324.	Rio Grande mmo	1
351	NEW MEXICO	355	NEW MEXICO	1000.	Rio Grande mmo	1
351	NEW MEXICO	353	NEW MEXICO	4000.	Rio Grande mmo	1
351	NEW MEXICO	318	TEXAS	1000.	Texas Panhandle mmo and AAES197a	1
357	IDAHO	362	UTAH	294.	transfer to balance	1
358	IDAHO	418	UTAH	179.	Ward & Whicker 1987	1
359	IDAHO	418	UTAH	8094.	transfer to balance	3
422	UTAH	423	UTAH	12719.	derived from Ward & Whicker 1987	1
363	UTAH	416	NEVADA	1551.	transfer to balance	3
424	UTAH	423	UTAH	1426.	Ward & Whicker 1987	1
423	UTAH	411	NEVADA	355.	derived from Ward & Whicker 1987	1
423	UTAH	417	NEVADA	1192.	Ward & Whicker 1987	1
423	UTAH	415	NEVADA	87.	Ward & Whicker 1987	1
423	UTAH	416	NEVADA	15044.	Ward & Whicker 1987	1
423	UTAH	402	ARIZONA	96.	derived from Ward & Whicker 1987	1
362	UTAH	418	UTAH	9047.	derived from Ward & Whicker 1987	1
420	UTAH	418	UTAH	69.	derived from Ward & Whicker 1987	1
419	UTAH	418	UTAH	1422.	derived from Ward & Whicker 1987	1
363	UTAH	418	UTAH	4138.	derived from Ward & Whicker 1987	1
364	UTAH	418	UTAH	2042.	derived from Ward & Whicker 1987	1
418	UTAH	409	NEVADA	1221.	Ward & Whicker 1987	1
418	UTAH	410	NEVADA	564.	Ward & Whicker 1987	1
418	UTAH	421	UTAH	2345.	Ward & Whicker 1987	1
364	UTAH	425	UTAH	1056.	deficit neighbor	2
426	UTAH	425	UTAH	1048.	deficit neighbor	2

**Table A2.5** continued

Milk distributed from surplus region		Milk received by deficit regions				Level of certainty
Region number	State	Region number	State	Volume transferred (1,000 km)	Source of information	
427	UTAH	428	UTAH	74.	Ward & Whicker 1987	1
427	UTAH	399	ARIZONA	48.	transfer to balance	3
427	UTAH	400	ARIZONA	11.	transfer to balance	3
427	UTAH	403	ARIZONA	5.	transfer to balance	3
365	UTAH	429	UTAH	939.	deficit neighbor	2
365	UTAH	404	ARIZONA	430.	transfer to balance	3
427	UTAH	404	ARIZONA	810.	transfer to balance	3
426	UTAH	404	ARIZONA	571.	transfer to balance	3
368	ARIZONA	366	ARIZONA	6779.	Ward & Whicker 1987	1
368	ARIZONA	367	ARIZONA	31280.	Central Arizona mmo	1
368	ARIZONA	369	ARIZONA	3055.	Central Arizona mmo	1
368	ARIZONA	354	NEW MEXICO	500.	deficit neighbor	2
368	ARIZONA	404	ARIZONA	447.	Ward & Whicker 1987	1
368	ARIZONA	405	ARIZONA	2398.	Ward & Whicker 1987	1
368	ARIZONA	402	ARIZONA	224.	Ward & Whicker 1987	1
401	ARIZONA	404	ARIZONA	233.	Ward & Whicker 1987	1
370	NEVADA	416	NEVADA	427.	derived from Ward & Whicker 1987	1
371	NEVADA	408	CALIFORNIA	911.	Ward & Whicker 1987	1
371	NEVADA	408	CALIFORNIA	197.	Ward & Whicker 1987	1
371	NEVADA	372	NEVADA	1314.	Ward & Whicker 1987	1
371	NEVADA	413	NEVADA	254.	Ward & Whicker 1987	1
371	NEVADA	414	NEVADA	86.	Ward & Whicker 1987	1
373	NEVADA	423	UTAH	2526.	Ward & Whicker 1987	1
412	NEVADA	423	UTAH	779.	Ward & Whicker 1987	1
387	CALIFORNIA	391	CALIFORNIA	10000.	transfer to balance	3
387	CALIFORNIA	392	CALIFORNIA	75470.	transfer to balance	3
388	CALIFORNIA	391	CALIFORNIA	10000.	transfer to balance	3
388	CALIFORNIA	392	CALIFORNIA	110457.	transfer to balance	3
389	CALIFORNIA	392	CALIFORNIA	203701.	deficit neighbor	2
390	CALIFORNIA	391	CALIFORNIA	4572.	deficit neighbor	2
393	CALIFORNIA	366	ARIZONA	2203.	transfer to balance	3
393	CALIFORNIA	392	CALIFORNIA	122521.	deficit neighbor	1
393	CALIFORNIA	391	CALIFORNIA	10203.	deficit neighbor	1
393	CALIFORNIA	394	CALIFORNIA	77299.	deficit neighbor	1
393	CALIFORNIA	395	CALIFORNIA	16537.	deficit neighbor	1
393	CALIFORNIA	397	CALIFORNIA	61674.	deficit neighbor	1
393	CALIFORNIA	396	CALIFORNIA	655892.	deficit neighbor	1
393	CALIFORNIA	398	CALIFORNIA	79795.	transfer to balance	3
393	CALIFORNIA	408	CALIFORNIA	290.	Ward & Whicker 1987	1
407	CALIFORNIA	408	CALIFORNIA	85.	Ward & Whicker 1987	1

**Attachment to Appendix 2.** Area and population in 1954 of each county of the contiguous United States, and geographical location and distance from the Nevada Test Site of each county centroid.

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
AL AUTauga	18421	1551	32.54	86.64	2652
AL BALDWIN	44435	4087	30.74	87.73	2604
AL BARBOUR	27114	2308	31.88	85.40	2775
AL BIBB	16446	1618	33.00	87.13	2600
AL BLOUNT	27474	1655	33.99	86.56	2633
AL BULLOCK	14950	1593	32.11	85.72	2741
AL BUTLER	27248	2001	31.76	86.69	2666
AL CALHOUN	86484	1582	33.78	85.83	2701
AL CHAMBERS	38803	1545	32.92	85.39	2753
AL CHEROKEE	17072	1439	34.19	85.61	2715
AL CHILTON	26401	1810	32.85	86.72	2639
AL CHOCTAW	18607	2358	32.02	88.26	2523
AL CLARKE	26204	3190	31.67	87.82	2569
AL CLAY	13283	1562	33.27	85.86	2707
AL CLEBURNE	11483	1486	33.68	85.53	2729
AL COFFEE	30663	1752	31.40	85.99	2734
AL COLBERT	42512	1544	34.70	87.81	2515
AL CONECUH	20074	2201	31.44	86.99	2647
AL COOSA	11326	1683	32.94	86.25	2679
AL COVINGTON	38359	2548	31.26	86.46	2698
AL CRENSHAW	17250	1582	31.74	86.32	2698
AL CULLMAN	47565	1890	34.14	86.86	2605
AL DALE	25179	1448	31.43	85.62	2766
AL DALLAS	56437	2527	32.33	87.10	2617
AL DE KALB	43506	2015	34.46	85.81	2694
AL ELMORE	31170	1615	32.60	86.15	2693
AL ESCAMBIA	32327	2491	31.13	87.16	2641
AL ETOWAH	95207	1437	34.05	86.03	2679
AL FAYETTE	18011	1624	33.72	87.74	2534
AL FRANKLIN	24126	1667	34.44	87.85	2514
AL GENEVA	24379	1493	31.10	85.85	2755
AL GREENE	15258	1624	32.87	87.95	2531
AL HALE	20285	1714	32.77	87.62	2562
AL HENRY	17232	1434	31.51	85.25	2796
AL HOUSTON	48307	1489	31.15	85.32	2799
AL JACKSON	38015	2795	34.78	86.00	2674
AL JEFFERSON	591199	2888	33.56	86.89	2611
AL LAMAR	15521	1566	33.78	88.10	2502
AL LAUDERDALE	57343	1714	34.90	87.65	2526
AL LAWRENCE	26015	1773	34.53	87.31	2561

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
AL LEE	47070	1584	32.61	85.36	2763
AL LIMESTONE	36089	1414	34.81	86.97	2587
AL LOWNDES	16916	1852	32.16	86.65	2659
AL MACON	28928	1594	32.39	85.69	2737
AL MADISON	91789	2080	34.77	86.54	2626
AL MARENGO	28478	2533	32.25	87.78	2559
AL MARION	24962	1924	34.14	87.88	2515
AL MARSHALL	46335	1479	34.37	86.31	2651
AL MOBILE	266464	3211	30.81	88.21	2560
AL MONROE	24304	2672	31.57	87.36	2612
AL MONTGOMERY	151816	2046	32.23	86.21	2696
AL MORGAN	56126	1476	34.46	86.85	2602
AL PERRY	19133	1901	32.64	87.29	2594
AL PICKENS	23300	2297	33.28	88.09	2511
AL PIKE	28644	1742	31.81	85.94	2729
AL RANDOLPH	21222	1504	33.29	85.46	2741
AL RUSSELL	42909	1624	32.30	85.19	2783
AL ST CLAIR	26135	1658	33.72	86.32	2659
AL SHELBY	31110	2066	33.27	86.67	2636
AL SUMTER	22090	2370	32.59	88.19	2516
AL TALLADEGA	64427	1942	33.39	86.17	2678
AL TALLAPOOSA	35047	1822	32.87	85.80	2719
AL TUSCALOOSA	100446	3451	33.30	87.52	2561
AL WALKER	59709	2084	33.81	87.29	2572
AL WASHINGTON	15511	2760	31.41	88.21	2543
AL WILCOX	21461	2327	31.99	87.30	2607
AL WINSTON	16809	1593	34.15	87.37	2560
AZ APACHE	28902	28932	35.39	109.49	605
AZ COCHISE	41498	16202	31.89	109.76	793
AZ COCONINO1	611	7202	36.91	112.53	308
AZ COCONINO2	10346	16806	36.91	111.48	401
AZ COCONINO3	20586	24009	35.19	111.65	435
AZ GILA	24837	12296	33.80	110.81	582
AZ GRAHAM	13438	11960	32.94	109.90	705
AZ GREENLEE	12256	4866	33.21	109.25	732
AZ MARICOPA	472764	23710	33.35	112.49	511
AZ MOHAVE1	227	5134	36.90	112.76	288
AZ MOHAVE2	227	6846	36.88	113.92	185
AZ MOHAVE3	6291	15404	35.19	114.06	265
AZ MOHAVE4	1441	6846	35.02	114.39	262
AZ NAVAJO	33084	25666	35.38	110.32	535
AZ PIMA	194103	23931	32.11	111.80	659
AZ PINAL	51473	13892	32.91	111.35	614

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
AZ SANTA CRUZ	9968	3227	31.54	110.86	759
AZ YAVAPAI	26658	20955	34.60	112.55	406
AZ YUMA	35756	25855	33.22	113.94	458
AR ARKANSAS	23534	2629	34.30	91.37	2206
AR ASHLEY	25051	2403	33.19	91.77	2191
AR BAXTER	10946	1390	36.29	92.34	2101
AR BENTON	37309	2204	36.34	94.26	1930
AR BOONE	16196	1517	36.31	93.09	2035
AR BRADLEY	15155	1686	33.47	92.17	2151
AR CALHOUN	6651	1628	33.55	92.51	2119
AR CARROLL	12413	1621	36.34	93.54	1994
AR CHICOT	20894	1665	33.26	91.30	2231
AR CLARK	22129	2274	34.06	93.18	2052
AR CLAY	24373	1655	36.37	90.42	2271
AR CLEBURNE	10458	1434	35.53	92.04	2132
AR CLEVELAND	8102	1556	33.90	92.18	2141
AR COLUMBIA	27762	1988	33.22	93.23	2064
AR CONWAY	16985	1452	35.25	92.70	2077
AR CRAIGHEAD	49207	1853	35.83	90.64	2254
AR CRAWFORD	22126	1544	35.58	94.25	1936
AR CRITTENDEN	47349	1575	35.20	90.30	2289
AR CROSS	22549	1618	35.29	90.78	2246
AR DALLAS	11616	1739	33.97	92.65	2099
AR DESHA	23295	1905	33.83	91.27	2222
AR DREW	16793	2154	33.59	91.72	2187
AR FAULKNER	24875	1659	35.14	92.33	2110
AR FRANKLIN	11445	1587	35.51	93.90	1968
AR FULTON	8110	1575	36.38	91.82	2146
AR GARLAND	46929	1704	34.58	93.15	2046
AR GRANT	8716	1634	34.30	92.43	2113
AR GREENE	27476	1500	36.12	90.56	2259
AR HEMPSTEAD	22781	1880	33.74	93.67	2015
AR HOT SPRING	22060	1607	34.32	92.94	2068
AR HOWARD	12297	1473	34.10	94.00	1979
AR INDEPENDENCE	22030	1947	35.74	91.58	2172
AR IZARD	8601	1486	36.09	91.92	2139
AR JACKSON	24608	1628	35.59	91.22	2204
AR JEFFERSON	78330	2260	34.28	91.93	2157
AR JOHNSON	14554	1742	35.56	93.47	2006
AR LAFAYETTE	12281	1355	33.24	93.61	2030
AR LAWRENCE	19586	1528	36.04	91.12	2211
AR LEE	22912	1575	34.78	90.78	2252
AR LINCOLN	15961	1458	33.96	91.73	2180

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
AR LITTLE RIVER	10639	1258	33.71	94.24	1965
AR LOGAN	18432	1859	35.21	93.72	1987
AR LONOKE	26119	2061	34.76	91.89	2154
AR MADISON	10602	2154	36.01	93.73	1979
AR MARION	7519	1513	36.26	92.68	2071
AR MILLER	32222	1614	33.32	93.90	2004
AR MISSISSIPPI	77192	2340	35.76	90.06	2306
AR MONROE	18596	1572	34.68	91.21	2215
AR MONTGOMERY	6122	2007	34.55	93.66	2001
AR NEVADA	13045	1594	33.66	93.31	2048
AR NEWTON	7530	2128	35.91	93.22	2025
AR OUACHITA	32453	1905	33.60	92.89	2085
AR PERRY	5531	1427	34.94	92.94	2059
AR PHILLIPS	45298	1776	34.44	90.85	2250
AR PIKE	9110	1553	34.17	93.66	2007
AR POINSETT	35709	1967	35.57	90.67	2254
AR POLK	13244	2225	34.50	94.24	1951
AR POPE	22394	2102	35.44	93.04	2045
AR PRAIRIE	12388	1711	34.83	91.55	2183
AR PULASKI	216366	1980	34.77	92.31	2116
AR RANDOLPH	14513	1676	36.35	91.04	2216
AR ST FRANCIS	35339	1645	35.02	90.76	2251
AR SALINE	25999	1874	34.65	92.67	2086
AR SCOTT	8882	2325	34.87	94.08	1960
AR SEARCY	9448	1719	35.90	92.70	2071
AR SEBASTIAN	65257	1365	35.21	94.28	1937
AR SEVIER	11383	1351	34.00	94.25	1958
AR SHARP	7865	1504	36.15	91.49	2177
AR STONE	7081	1575	35.85	92.16	2119
AR UNION	49621	2719	33.17	92.60	2119
AR VAN BUREN	8639	1810	35.57	92.53	2089
AR WASHINGTON	52455	2481	35.98	94.22	1936
AR WHITE	35792	2695	35.25	91.75	2161
AR WOODRUFF	16833	1531	35.18	91.25	2206
AR YELL	13160	2405	35.01	93.41	2016
CA ALAMEDA	811673	1897	37.65	121.85	524
CA ALPINE	306	1883	38.60	119.82	382
CA AMADOR	9508	1510	38.45	120.64	442
CA BUTTE	72198	4260	39.67	121.60	579
CA CALAVERAS	10067	2651	38.21	120.56	426
CA COLUSA	11834	2983	39.18	122.24	605
CA CONTRA COSTA	345753	1904	37.92	121.92	535
CA DEL NORTE	12200	2608	41.76	123.90	879

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
CA EL DORADO	21809	4441	38.78	120.53	448
CA FRESNO	314523	15451	36.75	119.65	325
CA GLENN	16213	3403	39.60	122.39	637
CA HUMBOLDT	84392	9287	40.71	123.88	811
CA IMPERIAL	66856	10983	33.05	115.37	443
CA INYO1	8297	10494	37.36	118.39	216
CA INYO2	2464	5247	36.60	118.10	192
CA INYO3	910	10494	36.44	116.86	98
CA KERN	255370	21113	35.34	118.73	304
CA KINGS	48121	3615	36.07	119.81	353
CA LAKE	12462	3265	39.11	122.76	644
CA LASSEN	16400	11812	40.69	120.60	579
CA LOS ANGELES	4953697	10538	34.37	118.21	352
CA MADERA	38458	5555	37.21	119.76	335
CA MARIN	111629	1347	38.07	122.69	606
CA MARIPOSA	5115	3762	37.58	119.90	352
CA MENDOCINO	45195	9092	39.46	123.39	710
CA MERCED	78570	5070	37.19	120.72	420
CA MODOC	9094	10610	41.61	120.74	663
CA MONO	2160	7839	37.94	118.89	276
CA MONTEREY	159337	8608	36.21	121.21	471
CA NAPA	54797	2038	38.51	122.34	587
CA NEVADA	20322	2519	39.31	120.77	495
CA ORANGE	423494	2025	33.72	117.75	396
CA PLACER	48175	3705	39.07	120.72	478
CA PLUMAS	12713	6645	40.02	120.85	545
CA RIVERSIDE	227908	18585	33.75	116.01	361
CA SACRAMENTO	373035	2525	38.45	121.34	500
CA SAN BENITO	14806	3615	36.60	121.07	452
CA SAN BERNADIN	375968	52102	34.85	116.17	240
CA SAN DIEGO	759190	11035	33.04	116.72	444
CA SAN FRANCISC	760465	116	37.76	122.41	575
CA SAN JOAQUIN	221677	3656	37.94	121.27	479
CA SAN LUIS OBI	64006	8243	35.38	120.37	428
CA SAN MATEO	324371	1158	37.44	122.30	561
CA SANTA BARBAR	128286	7088	34.73	120.01	436
CA SANTA CLARA	440051	3366	37.23	121.69	506
CA SANTA CRUZ	74049	1140	37.07	121.99	532
CA SHASTA	46213	9810	40.78	122.06	682
CA SIERRA	2342	2481	39.58	120.51	493
CA SISKIYOU	31647	16218	41.61	122.56	775
CA SOLANO	117487	2132	38.28	121.92	544
CA SONOMA	122095	4153	38.53	122.88	633

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
CA STANISLAUS	140011	3912	37.56	121.00	448
CA SUTTER	29274	1562	39.03	121.69	553
CA TEHAMA	21840	7722	40.14	122.25	655
CA TRINITY	7049	8217	40.67	123.13	753
CA TULARE	157398	12462	36.22	118.79	263
CA TUOLUMNE	13357	5832	38.03	119.96	369
CA VENTURA	150555	4824	34.49	119.07	390
CA YOLO	51306	2662	38.69	121.91	557
CA YUBA	28434	1655	39.26	121.35	538
CO ADAMS	74260	3203	39.88	104.37	1081
CO ALAMOSA	10305	1862	37.56	105.80	907
CO ARAPAHOE	89616	2063	39.66	104.36	1074
CO ARCHULETA	2861	3532	37.19	107.04	796
CO BACA	7258	6637	37.32	102.56	1193
CO BENT	8200	3933	37.94	103.08	1151
CO BOULDER	59327	1936	40.09	105.35	1006
CO CHAFFEE	7649	2688	38.75	106.20	891
CO CHEYENNE	3176	4588	38.83	102.61	1205
CO CLEAR CREEK	3079	1020	39.69	105.65	966
CO CONEJOS	9428	3283	37.19	106.19	871
CO COSTILLA	5278	3141	37.28	105.44	938
CO CROWLEY	4696	2077	38.32	103.78	1094
CO CUSTER	1460	1908	38.10	105.37	951
CO DELTA	16617	2988	38.85	107.88	750
CO DENVER	457536	246	39.73	104.97	1024
CO DOLORES	2066	2657	37.76	108.50	671
CO DOUGLAS	4063	2183	39.33	104.93	1016
CO EAGLE	4567	4353	39.62	106.70	875
CO ELBERT	4150	4827	39.29	104.13	1083
CO EL PASO	103940	5586	38.83	104.52	1039
CO FREMONT	19145	4042	38.47	105.44	951
CO GARFIELD	11791	7759	39.60	107.91	774
CO GILPIN	781	382	39.86	105.53	982
CO GRAND	3789	4801	40.10	106.12	942
CO GUNNISON	5613	8339	38.66	107.04	816
CO HINSDALE	238	2729	37.83	107.30	777
CO HUERFANO	9411	4076	37.69	104.96	983
CO JACKSON	1884	4200	40.67	106.35	948
CO JEFFERSON	86219	2028	39.59	105.25	997
CO KIOWA	2757	4576	38.43	102.75	1187
CO KIT CARSON	7907	5622	39.31	102.61	1216
CO LAKE	6551	982	39.19	106.35	890
CO LA PLATA	16728	4358	37.28	107.84	725

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CO LARIMER	47718	6761	40.67	105.47	1020
CO LAS ANIMAS	23392	12415	37.31	104.05	1061
CO LINCOLN	5654	6715	38.99	103.52	1130
CO LOGAN	18512	4718	40.73	103.11	1217
CO MESA	43967	8549	39.02	108.47	705
CO MINERAL	580	2384	37.66	106.93	808
CO MOFFAT	6418	12283	40.62	108.21	800
CO MONTEZUMA	11705	5422	37.34	108.61	657
CO MONTROSE	16525	5795	38.40	108.28	703
CO MORGAN	19396	3310	40.27	103.81	1142
CO OTERO	24787	3247	37.90	103.72	1094
CO OURAY	1891	1399	38.15	107.77	741
CO PARK	1847	5599	39.12	105.72	942
CO PHILLIPS	4718	1760	40.60	102.37	1274
CO PITKIN	1954	2519	39.21	106.92	843
CO PROWERS	14182	4197	37.95	102.40	1212
CO PUEBLO	102311	6228	38.17	104.51	1028
CO RIO BLANCO	4903	8450	39.98	108.21	766
CO RIO GRANDE	12121	2370	37.57	106.39	855
CO ROUTT	7650	6034	40.49	106.99	888
CO SAGUACHE	5157	8142	38.07	106.28	871
CO SAN JUAN	1211	1013	37.76	107.68	743
CO SAN MIGUEL	2800	3322	38.00	108.41	682
CO SEDGWICK	4728	1408	40.88	102.36	1285
CO SUMMIT	1535	1563	39.63	106.12	924
CO TELLER	2644	1431	38.88	105.16	985
CO WASHINGTON	7139	6541	39.97	103.20	1183
CO WELD	69565	10364	40.56	104.39	1103
CO YUMA	10011	6161	40.01	102.42	1250
CT FAIRFIELD	567774	1621	41.28	73.39	3811
CT HARTFORD	603367	1914	41.81	72.73	3876
CT LITCHFIELD	107794	2395	41.80	73.25	3831
CT MIDDLESEX	76485	962	41.47	72.53	3889
CT NEW HAVEN	594458	1563	41.41	72.93	3853
CT NEW LONDON	162215	1728	41.49	72.10	3927
CT TOLLAND	54921	1076	41.86	72.34	3912
CT WINDHAM	64655	1331	41.83	71.99	3942
DE KENT	49679	1538	39.09	75.57	3595
DE NEW CASTLE	256525	1134	39.58	75.65	3592
DE SUSSEX	66374	2460	38.67	75.41	3607
DC WASHINGTON	785942	157	38.90	77.04	3464
FL ALACHUA	64273	2371	29.67	82.36	3095
FL BAKER	6760	1514	30.32	82.28	3083

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FL BAY	53079	1935	30.30	85.63	2796
FL BRADFORD	11878	761	29.94	82.17	3103
FL BREVARD	60960	2617	28.18	80.76	3277
FL BROWARD	190191	3156	26.14	80.50	3373
FL CALHOUN	7712	1452	30.42	85.21	2828
FL CHARLOTTE	7817	1821	26.90	81.89	3228
FL CITRUS	7453	1449	28.85	82.46	3111
FL CLAY	16537	1535	29.98	81.85	3130
FL COLLIER	10424	5195	26.11	81.36	3304
FL COLUMBIA	19008	2031	30.22	82.62	3056
FL DADE	682067	5288	25.61	80.59	3388
FL DE SOTO	10281	1677	27.18	81.85	3221
FL DIXIE	4160	1791	29.61	83.16	3028
FL DUVAL	368369	1983	30.32	81.67	3136
FL ESCAMBIA	138684	1721	30.72	87.40	2632
FL FLAGLER	3878	1261	29.46	81.32	3190
FL FRANKLIN	6140	1387	29.91	84.80	2878
FL GADSDEN	38805	1325	30.58	84.62	2874
FL GILCHRIST	3234	896	29.72	82.80	3055
FL GLADES	2519	1949	26.95	81.21	3283
FL GULF	8515	1462	29.96	85.25	2839
FL HAMILTON	8436	1331	30.49	82.94	3022
FL HARDEE	11049	1628	27.49	81.81	3213
FL HENDRY	6928	3073	26.54	81.17	3302
FL HERNANDO	8614	1254	28.56	82.43	3123
FL HIGHLANDS	16911	2581	27.34	81.34	3258
FL HILLSBOROUGH	312748	2688	27.93	82.31	3155
FL HOLMES	12655	1248	30.89	85.83	2762
FL INDIAN RIVER	17585	1310	27.68	80.62	3306
FL JACKSON	35312	2422	30.80	85.23	2816
FL JEFFERSON	10045	1566	30.44	83.89	2941
FL LAFAYETTE	3205	1421	29.99	83.18	3015
FL LAKE	45284	2488	28.75	81.70	3179
FL LEE	36636	2032	26.58	81.80	3248
FL LEON	61208	1735	30.46	84.27	2908
FL LEVY	10519	2805	29.33	82.73	3073
FL LIBERTY	3162	2173	30.25	84.90	2860
FL MADISON	14178	1821	30.44	83.46	2978
FL MANATEE	49350	1914	27.47	82.30	3172
FL MARION	43898	4143	29.20	82.06	3134
FL MARTIN	11687	1439	27.08	80.39	3347
FL MONROE	37590	2678	25.53	81.07	3351
FL NASSAU	14676	1683	30.60	81.82	3115

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FL OKALOOSA	41833	2444	30.70	86.57	2704
FL OKEECHOBEE	4715	2011	27.43	80.90	3291
FL ORANGE	178105	2356	28.50	81.31	3220
FL OSCEOLA	14647	3400	28.06	81.15	3248
FL PALM BEACH	162889	5239	26.69	80.51	3351
FL PASCO	27444	1921	28.31	82.40	3134
FL PINELLAS	250803	685	27.95	82.73	3119
FL POLK	154234	4812	27.94	81.70	3206
FL PUTNAM	27266	2018	29.60	81.74	3149
FL ST JOHNS	27141	1566	29.89	81.43	3168
FL ST LUCIE	28303	1513	27.37	80.48	3328
FL SANTA ROSA	23227	2672	30.75	87.03	2663
FL SARASOTA	49261	1520	27.18	82.35	3179
FL SEMINOLE	38815	789	28.70	81.22	3221
FL SUMTER	11562	1437	28.69	82.08	3148
FL SUWANNEE	16126	1776	30.19	82.99	3026
FL TAYLOR	11589	2722	30.05	83.60	2977
FL UNION	7688	623	30.04	82.37	3083
FL VOLUSIA	95942	2750	29.05	81.19	3213
FL WAKULLA	5255	1556	30.18	84.41	2904
FL WALTON	15089	2726	30.67	86.17	2739
FL WASHINGTON	11622	1514	30.63	85.68	2782
GA APPLING	13688	1328	31.74	82.31	3046
GA ATKINSON	6864	823	31.28	82.90	3005
GA BACON	8693	758	31.54	82.48	3036
GA BAKER	5353	919	31.31	84.47	2869
GA BALDWIN	31556	660	33.07	83.25	2938
GA BANKS	6750	598	34.35	83.50	2899
GA BARROW	13701	443	33.99	83.72	2884
GA BARTOW	27750	1193	34.23	84.86	2781
GA BEN HILL	14344	660	31.76	83.26	2963
GA BERRIEN	13147	1211	31.27	83.24	2976
GA BIBB	125628	657	32.81	83.72	2902
GA BLECKLEY	9399	567	32.44	83.36	2941
GA BRANTLEY	6174	1158	31.19	82.00	3085
GA BROOKS	16949	1272	30.84	83.60	2955
GA BRYAN	6071	1147	32.02	81.45	3115
GA BULLOCH	24533	1773	32.40	81.75	3082
GA BURKE	22240	2152	33.06	82.01	3048
GA BUTTS	9034	478	33.28	83.96	2873
GA CALHOUN	8052	748	31.52	84.64	2849
GA CAMDEN	8451	1690	30.94	81.69	3118
GA CANDLER	7475	647	32.40	82.09	3052

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GA CARROLL	35112	1282	33.58	85.09	2769
GA CATOOSA	17678	433	34.89	85.14	2748
GA CHARLTON	5029	2061	30.79	82.16	3081
GA CHATHAM	167129	1152	32.01	81.14	3143
GA CHATTAHOOCHEE	12563	654	32.34	84.78	2818
GA CHATTOOGA	20674	820	34.46	85.35	2734
GA CHEROKEE	21706	1075	34.24	84.49	2813
GA CLARKE	40297	299	33.95	83.37	2915
GA CLAY	5297	518	31.62	84.99	2816
GA CLAYTON	32859	385	33.54	84.37	2833
GA CLINCH	6236	2063	30.91	82.73	3029
GA COBB	84077	888	33.94	84.59	2808
GA COFFEE	23107	1584	31.54	82.89	3000
GA COLQUITT	34025	1458	31.17	83.79	2931
GA COLUMBIA	11182	751	33.55	82.27	3017
GA COOK	12040	602	31.15	83.45	2961
GA COWETA	28258	1144	33.34	84.78	2800
GA CRAWFORD	5971	816	32.72	83.99	2880
GA CRISP	17709	755	31.92	83.81	2912
GA DADE	7918	435	34.84	85.50	2717
GA DAWSON	3659	546	34.43	84.58	2802
GA DECATUR	24297	1489	30.88	84.18	2905
GA DE KALB	187559	696	33.77	84.24	2842
GA DODGE	17280	1289	32.17	83.20	2960
GA DOOLY	13019	1023	32.15	83.83	2905
GA DOUGHERTY	57245	838	31.52	84.24	2884
GA DOUGLAS	14116	523	33.69	84.77	2795
GA EARLY	15601	1356	31.32	84.92	2829
GA ECHOLS	2234	1100	30.70	82.90	3019
GA EFFINGHAM	9565	1242	32.37	81.34	3118
GA ELBERT	18266	927	34.11	82.84	2960
GA EMANUEL	18949	1776	32.60	82.32	3028
GA EVANS	6776	481	32.16	81.89	3074
GA FANNIN	14526	1020	34.86	84.34	2820
GA FAYETTE	8070	515	33.40	84.51	2823
GA FLOYD	65551	1331	34.25	85.22	2748
GA FORSYTH	11506	567	34.22	84.14	2844
GA FRANKLIN	13948	681	34.38	83.23	2922
GA FULTON	508744	1372	33.79	84.47	2820
GA GILMER	9521	1137	34.68	84.46	2810
GA GLASCOCK	3192	370	33.22	82.63	2991
GA GLYNN	34530	1066	31.24	81.59	3119
GA GORDON	19051	927	34.49	84.89	2774

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GA GRADY	18543	1206	30.87	84.24	2899
GA GREENE	12141	1044	33.58	83.17	2938
GA GWINNETT	37086	1131	33.95	84.04	2857
GA HABERSHAM	17218	730	34.63	83.54	2893
GA HALL	44205	979	34.31	83.83	2870
GA HANCOCK	10597	1238	33.27	83.01	2957
GA HARALSON	14609	737	33.79	85.22	2755
GA HARRIS	11225	1203	32.73	84.91	2799
GA HART	14811	598	34.35	82.97	2946
GA HEARD	6279	768	33.29	85.14	2769
GA HENRY	16606	857	33.45	84.16	2853
GA HOUSTON	28697	983	32.46	83.69	2911
GA IRWIN	10801	962	31.60	83.31	2962
GA JACKSON	18783	896	34.13	83.56	2896
GA JASPER	6900	965	33.31	83.69	2896
GA JEFF DAVIS	9136	857	31.80	82.65	3015
GA JEFFERSON	18267	1372	33.06	82.43	3011
GA JENKINS	9795	909	32.80	81.97	3055
GA JOHNSON	9107	810	32.71	82.68	2995
GA JONES	7933	1041	33.03	83.57	2912
GA LAMAR	10245	468	33.07	84.16	2859
GA LANIER	5133	457	31.02	83.06	2998
GA LAURENS	32779	2097	32.47	82.94	2976
GA LEE	6475	919	31.77	84.17	2883
GA LIBERTY	11017	1331	31.83	81.50	3115
GA LINCOLN	6226	499	33.79	82.46	2998
GA LONG	3717	1041	31.76	81.76	3094
GA LOWNDES	41185	1316	30.83	83.28	2983
GA LUMPKIN	6857	755	34.56	84.01	2851
GA MCDUFFIE	11950	654	33.48	82.49	2999
GA MCINTOSH	6158	1103	31.52	81.43	3128
GA MACON	13770	1044	32.35	84.06	2881
GA MADISON	11815	727	34.13	83.21	2927
GA MARION	6078	944	32.35	84.54	2840
GA MERIWETHER	20507	1292	33.03	84.70	2812
GA MILLER	8123	743	31.15	84.74	2849
GA MITCHELL	21308	1320	31.21	84.21	2893
GA MONROE	10514	1030	33.02	83.93	2880
GA MONTGOMERY	7214	613	32.17	82.54	3017
GA MORGAN	11210	922	33.59	83.50	2909
GA MURRAY	10580	885	34.78	84.76	2783
GA NEWTON	20536	702	33.56	83.86	2878
GA OCONEE	6711	481	33.83	83.44	2910

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GA OGLETHORPE	9101	1127	33.88	83.09	2941
GA PAULDING	12326	823	33.91	84.88	2783
GA PEACH	12613	391	32.58	83.83	2896
GA PICKENS	8877	582	34.46	84.48	2811
GA PIERCE	10503	885	31.35	82.24	3061
GA PIKE	7900	595	33.08	84.40	2837
GA POLK	29721	808	34.00	85.19	2754
GA PULASKI	8552	654	32.23	83.52	2931
GA PUTNAM	7763	878	33.32	83.38	2923
GA QUITMAN	2765	404	31.85	85.03	2807
GA RABUN	7439	952	34.88	83.42	2901
GA RANDOLPH	12647	1128	31.75	84.76	2833
GA RICHMOND	120231	837	33.36	82.08	3037
GA ROCKDALE	9363	332	33.65	84.04	2861
GA SCHLEY	3703	419	32.26	84.34	2858
GA SCREVEN	16693	1686	32.76	81.62	3087
GA SEMINOLE	7436	637	30.93	84.88	2843
GA SPALDING	32895	520	33.25	84.30	2844
GA STEPHENS	17389	447	34.56	83.30	2915
GA STEWART	8420	1171	32.07	84.85	2818
GA SUMTER	24395	1264	32.04	84.23	2873
GA TALBOT	7450	1010	32.70	84.54	2832
GA TALIAFERRO	4029	505	33.56	82.89	2963
GA TATTNALL	15896	1269	32.05	82.07	3061
GA TAYLOR	8770	1044	32.55	84.25	2861
GA TELFAIR	12583	1140	31.92	82.96	2985
GA TERRELL	13645	851	31.77	84.46	2859
GA THOMAS	34098	1400	30.86	83.94	2926
GA TIFT	23005	688	31.45	83.55	2945
GA TOOMBS	17153	952	32.10	82.35	3035
GA TOWNS	4692	429	34.91	83.75	2871
GA TREUTLEN	6247	502	32.40	82.57	3010
GA TROUP	48719	1075	33.02	85.04	2783
GA TURNER	9613	758	31.72	83.66	2930
GA TWIGGS	8152	943	32.67	83.45	2928
GA UNION	6976	799	34.83	84.00	2849
GA UPSON	24538	865	32.88	84.31	2849
GA WALKER	41196	1152	34.72	85.30	2736
GA WALTON	20339	854	33.78	83.74	2885
GA WARE	31967	2361	31.03	82.46	3050
GA WARREN	8178	736	33.41	82.69	2983
GA WASHINGTON	20117	1745	32.97	82.81	2979
GA WAYNE	15812	1670	31.55	81.93	3083

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
GA WEBSTER	3727	505	32.04	84.57	2843
GA WHEELER	6127	792	32.11	82.75	3000
GA WHITE	6372	629	34.64	83.75	2874
GA WHITFIELD	37693	727	34.80	84.97	2764
GA WILCOX	9206	992	31.97	83.47	2940
GA WILKES	11783	1211	33.78	82.76	2972
GA WILKINSON	9558	1186	32.80	83.20	2948
GA WORTH	18221	1500	31.55	83.88	2914
GA COLUMBUS	135231	570	32.50	84.88	2806
ID ADA	80347	2700	43.45	116.24	717
ID ADAMS	3193	3550	44.89	116.44	878
ID BANNOCK	44973	2905	42.66	112.21	714
ID BEAR LAKE	6971	2548	42.29	111.34	718
ID BENEWAH	6116	2040	47.21	116.64	1135
ID BINGHAM	25376	5397	43.22	112.41	761
ID BLAINE	5050	6855	43.41	113.98	734
ID BOISE	1721	4946	43.99	115.72	777
ID BONNER	15164	4487	48.29	116.60	1256
ID BONNEVILLE	37306	4754	43.39	111.64	809
ID BOUNDARY	5868	3301	48.76	116.45	1307
ID BUTTE	3053	5798	43.72	113.17	788
ID CAMAS	1013	2729	43.46	114.81	725
ID CANYON	55326	1497	43.62	116.71	738
ID CARIBOU	5748	4522	42.78	111.56	753
ID CASSIA	15261	6588	42.29	113.62	625
ID CLARK	921	4534	44.29	112.35	872
ID CLEARWATER	8357	6528	46.66	115.62	1074
ID CUSTER	3182	12765	44.24	114.27	819
ID ELMORE	10950	7893	43.35	115.47	708
ID FRANKLIN	9264	1719	42.18	111.82	685
ID FREMONT	9067	4827	44.23	111.50	897
ID GEM	8899	1437	44.07	116.38	786
ID GOODING	10443	1864	42.97	114.82	672
ID IDAHO	12322	22055	45.83	115.46	982
ID JEFFERSON	10996	2838	43.82	112.31	826
ID JEROME	11925	1541	42.69	114.28	651
ID KOOTENAI	26905	3234	47.66	116.69	1186
ID LATAH	21053	2823	46.81	116.70	1091
ID LEMHI	6082	11861	44.94	113.93	902
ID LEWIS	4298	1233	46.23	116.41	1026
ID LINCOLN	4013	3116	43.00	114.15	687
ID MADISON	9267	1224	43.78	111.66	846
ID MINIDOKA	11743	1942	42.86	113.64	684

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
ID NEZ PERCE	24534	2185	46.32	116.73	1037
ID ONEIDA	4050	3085	42.20	112.55	654
ID Owyhee	6338	19789	42.59	116.18	621
ID PAYETTE	12108	1041	44.00	116.75	781
ID POWER	4044	3659	42.69	112.84	692
ID SHOSHONE	21990	6756	47.34	115.88	1149
ID TETON	2962	1183	43.76	111.22	862
ID TWIN FALLS	41346	5042	42.37	114.69	608
ID VALLEY	4017	9520	44.76	115.56	863
ID WASHINGTON	8486	3786	44.45	116.78	831
IL ADAMS	66300	2232	39.99	91.19	2227
IL ALEXANDER	18507	592	37.21	89.34	2366
IL BOND	14116	979	38.89	89.45	2366
IL BOONE	18453	733	42.33	88.82	2483
IL BROWN	6742	792	39.96	90.75	2264
IL BUREAU	37659	2242	41.41	89.52	2400
IL CALHOUN	6487	640	39.16	90.68	2260
IL CARROLL	19201	1180	42.08	89.93	2381
IL CASS	14860	961	39.97	90.25	2309
IL CHAMPAIGN	117294	2589	40.13	88.21	2491
IL CHRISTIAN	38133	1835	39.55	89.28	2388
IL CLARK	17018	1307	39.33	87.80	2516
IL CLAY	16751	1202	38.75	88.50	2448
IL CLINTON	23202	1124	38.60	89.43	2365
IL COLES	41404	1310	39.52	88.23	2480
IL COOK	4772685	2470	41.84	87.82	2558
IL CRAWFORD	20972	1147	39.00	87.76	2515
IL CUMBERLAND	10256	899	39.28	88.25	2476
IL DE KALB	45428	1646	41.90	88.76	2477
IL DE WITT	17045	1033	40.17	88.90	2430
IL DOUGLAS	17786	1088	39.77	88.22	2484
IL DU PAGE	222116	857	41.85	88.10	2534
IL EDGAR	23044	1627	39.68	87.75	2524
IL EDWARDS	8579	582	38.41	88.06	2485
IL EFFINGHAM	22285	1245	39.06	88.59	2443
IL FAYETTE	23464	1821	39.00	89.04	2403
IL FORD	16202	1264	40.59	88.22	2497
IL FRANKLIN	44694	1124	37.99	88.93	2405
IL FULTON	42963	2270	40.47	90.21	2321
IL GALLATIN	8897	850	37.76	88.23	2465
IL GREENE	18260	1406	39.36	90.40	2287
IL GRUNDY	20547	1119	41.28	88.42	2493
IL HAMILTON	11306	1127	38.08	88.54	2439

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
IL HANCOCK	25273	2063	40.41	91.16	2236
IL HARDIN	6830	474	37.53	88.27	2462
IL HENDERSON	8343	974	40.81	90.93	2265
IL HENRY	47690	2139	41.35	90.12	2347
IL IROQUOIS	32863	2905	40.75	87.83	2535
IL JACKSON	39834	1566	37.79	89.38	2364
IL JASPER	11878	1282	39.01	88.16	2480
IL JEFFERSON	34377	1483	38.29	88.93	2407
IL JERSEY	16013	974	39.09	90.36	2287
IL JO DAVIESS	21611	1569	42.37	90.21	2365
IL JOHNSON	7964	893	37.47	88.88	2407
IL KANE	174978	1347	41.94	88.43	2507
IL KANKAKEE	81402	1756	41.14	87.86	2539
IL KENDALL	14420	829	41.59	88.43	2499
IL KNOX	57302	1886	40.93	90.22	2329
IL LAKE	227787	1183	42.33	88.01	2554
IL LA SALLE	104940	2978	41.34	88.89	2454
IL LAWRENCE	19689	968	38.72	87.74	2515
IL LEE	37430	1886	41.75	89.30	2427
IL LIVINGSTON	38887	2700	40.88	88.56	2473
IL LOGAN	31939	1610	40.12	89.36	2389
IL MCDONOUGH	28507	1507	40.45	90.68	2279
IL MCHENRY	64912	1579	42.33	88.46	2515
IL MCLEAN	79677	3037	40.49	88.85	2440
IL MACON	107100	1497	39.86	88.96	2420
IL MACOUPIN	43909	2257	39.26	89.93	2327
IL MADISON	200321	1897	38.83	89.91	2324
IL MARION	40698	1500	38.65	88.92	2410
IL MARSHALL	13152	1013	41.03	89.34	2408
IL MASON	15270	1400	40.24	89.92	2342
IL MASSAC	13912	634	37.23	88.72	2421
IL MENARD	9478	808	40.03	89.80	2349
IL MERCER	17280	1439	41.20	90.74	2290
IL MONROE	14227	989	38.28	90.19	2295
IL MONTGOMERY	31941	1825	39.23	89.48	2366
IL MORGAN	35995	1452	39.71	90.20	2309
IL MOULTRIE	13372	844	39.64	88.63	2447
IL OGLE	35416	1963	42.05	89.32	2433
IL PEORIA	180596	1614	40.79	89.76	2366
IL PERRY	20620	1137	38.09	89.37	2366
IL PIATT	14394	1131	40.01	88.60	2455
IL PIKE	21469	2145	39.62	90.89	2247
IL POPE	5052	986	37.42	88.56	2435

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IL PULASKI	12302	527	37.24	89.13	2384
IL PUTNAM	4672	413	41.21	89.29	2416
IL RANDOLPH	30958	1538	38.05	89.82	2326
IL RICHLAND	16636	943	38.71	88.09	2484
IL ROCK ISLAND	140967	1097	41.47	90.57	2311
IL ST CLAIR	230011	1742	38.46	89.93	2319
IL SALINE	30366	992	37.76	88.54	2438
IL SANGAMON	137884	2277	39.76	89.66	2357
IL SCHUYLER	9248	1124	40.15	90.61	2280
IL SCOTT	6878	650	39.64	90.48	2283
IL SHELBY	24001	1947	39.39	88.81	2427
IL STARK	8477	754	41.10	89.80	2369
IL STEPHENSON	43559	1470	42.35	89.66	2412
IL TAZEWELL	86209	1689	40.51	89.51	2382
IL UNION	19287	1076	37.48	89.26	2374
IL VERMILION	90942	2327	40.18	87.73	2533
IL WABASH	14398	574	38.45	87.85	2503
IL WARREN	21812	1400	40.85	90.62	2292
IL WASHINGTON	14083	1461	38.35	89.41	2364
IL WAYNE	20117	1852	38.42	88.43	2451
IL WHITE	20269	1300	38.09	88.18	2471
IL WHITESIDE	53821	1779	41.76	89.92	2374
IL WILL	158684	2194	41.44	87.98	2535
IL WILLIAMSON	47557	1110	37.73	88.93	2403
IL WINNEBAGO	176778	1344	42.34	89.16	2455
IL WOODFORD	22712	1368	40.79	89.21	2414
IN ADAMS	23350	893	40.75	84.95	2786
IN ALLEN	204321	1738	41.10	85.07	2782
IN BARTHOLOMEW	41249	1041	39.21	85.89	2683
IN BENTON	11654	1058	40.60	87.31	2577
IN BLACKFORD	14352	433	40.47	85.34	2748
IN BOONE	25504	1106	40.05	86.46	2643
IN BROWN	6560	826	39.20	86.22	2654
IN CARROLL	16403	968	40.58	86.55	2643
IN CASS	39704	1075	40.76	86.35	2664
IN CLARK	54483	995	38.48	85.71	2693
IN CLAY	24042	943	39.39	87.12	2577
IN CLINTON	30175	1054	40.30	86.47	2646
IN CRAWFORD	8905	808	38.30	86.45	2626
IN DAVIESS	26706	1113	38.71	87.07	2574
IN DEARBORN	26645	792	39.15	84.98	2763
IN DECATUR	18983	958	39.31	85.51	2718
IN DE KALB	26974	947	41.41	85.00	2794

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
IN DELAWARE	99043	1026	40.22	85.41	2738
IN DUBOIS	25350	1120	38.36	86.88	2588
IN ELKHART	93978	1211	41.60	85.86	2723
IN FAYETTE	23845	557	39.63	85.18	2750
IN FLOYD	47123	385	38.32	85.90	2675
IN FOUNTAIN	18208	1027	40.13	87.24	2576
IN FRANKLIN	16453	1020	39.41	85.07	2758
IN FULTON	16726	952	41.05	86.27	2677
IN GIBSON	30396	1289	38.32	87.58	2526
IN GRANT	67932	1089	40.51	85.66	2720
IN GREENE	27222	1421	39.04	86.96	2587
IN HAMILTON	33435	1038	40.07	86.05	2679
IN HANCOCK	23020	789	39.81	85.78	2700
IN HARRISON	18430	1241	38.20	86.11	2656
IN HENDRICKS	31524	1079	39.77	86.50	2636
IN HENRY	46946	1036	39.93	85.41	2734
IN HOWARD	60879	758	40.48	86.12	2680
IN HUNTINGTON	32426	955	40.83	85.50	2740
IN JACKSON	29224	1347	38.91	86.03	2668
IN JASPER	17798	1455	41.02	87.11	2602
IN JAY	22909	999	40.44	85.02	2776
IN JEFFERSON	22652	947	38.79	85.44	2719
IN JENNINGS	16111	975	39.00	85.63	2704
IN JOHNSON	33631	816	39.48	86.10	2668
IN KNOX	42628	1335	38.70	87.42	2543
IN KOSCIUSKO	36134	1399	41.24	85.87	2715
IN LAGRANGE	16210	986	41.66	85.44	2761
IN LAKE	429826	1328	41.42	87.38	2587
IN LA PORTE	84588	1572	41.55	86.73	2646
IN LAWRENCE	35290	1189	38.84	86.47	2628
IN MADISON	113224	1172	40.15	85.73	2709
IN MARION	613741	1014	39.78	86.13	2668
IN MARSHALL	30733	1147	41.33	86.26	2682
IN MARTIN	10648	893	38.71	86.80	2598
IN MIAMI	32369	975	40.77	86.05	2691
IN MONROE	53968	999	39.16	86.51	2628
IN MONTGOMERY	30383	1313	40.04	86.88	2606
IN MORGAN	28039	1051	39.48	86.43	2638
IN NEWTON	11215	1069	40.95	87.40	2576
IN NOBLE	26388	1066	41.41	85.43	2756
IN OHIO	4201	225	38.95	84.98	2761
IN ORANGE	16883	1048	38.54	86.49	2624
IN OWEN	11616	1010	39.32	86.83	2602

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IN PARKE	15306	1152	39.77	87.20	2574
IN PERRY	17310	995	38.09	86.64	2608
IN PIKE	14062	868	38.40	87.24	2557
IN PORTER	48666	1100	41.47	87.07	2615
IN POSEY	19556	1066	38.03	87.87	2499
IN PULASKI	12637	1120	41.04	86.69	2639
IN PUTNAM	23790	1269	39.67	86.84	2605
IN RANDOLPH	27693	1183	40.16	85.02	2771
IN RIPLEY	19556	1144	39.10	85.28	2736
IN RUSH	20050	1058	39.62	85.47	2725
IN ST JOSEPH	219323	1206	41.62	86.29	2686
IN SCOTT	12844	499	38.69	85.74	2691
IN SHELBY	30608	1058	39.52	85.79	2695
IN SPENCER	16127	1026	38.02	87.01	2575
IN STARKE	16398	802	41.28	86.64	2648
IN STEUBEN	17126	799	41.66	85.00	2799
IN SULLIVAN	22839	1183	39.10	87.42	2547
IN SWITZERLAND	7386	571	38.83	85.04	2755
IN TIPPECANOE	80705	1294	40.39	86.89	2611
IN TIPTON	15689	675	40.31	86.05	2683
IN UNION	6433	435	39.63	84.93	2772
IN VANDERBURGH	162709	623	38.03	87.59	2524
IN VERMILLION	18858	681	39.85	87.46	2552
IN VIGO	106559	1075	39.43	87.39	2553
IN WABASH	30557	1030	40.84	85.80	2714
IN WARREN	8540	952	40.35	87.36	2569
IN WARRICK	22399	1013	38.09	87.28	2551
IN WASHINGTON	17069	1335	38.60	86.10	2659
IN WAYNE	70893	1048	39.87	85.02	2768
IN WELLS	20272	952	40.73	85.24	2761
IN WHITE	18754	1286	40.74	86.86	2619
IN WHITLEY	19730	872	41.15	85.52	2744
IA ADAIR	11698	1473	41.33	94.48	1969
IA ADAMS	8207	1103	41.03	94.71	1942
IA ALLAMAKEE	16193	1646	43.29	91.37	2295
IA APPANOOSE	18123	1355	40.75	92.87	2095
IA AUDUBON	11296	1159	41.68	94.92	1942
IA BENTON	22980	1859	42.09	92.05	2199
IA BLACK HAWK	109811	1470	42.47	92.30	2189
IA BOONE	28096	1483	42.04	93.93	2036
IA BREMER	19829	1137	42.78	92.32	2198
IA BUCHANAN	22083	1470	42.48	91.83	2229
IA BUENA VISTA	21147	1480	42.74	95.16	1956

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
IA BUTLER	17426	1507	42.74	92.79	2156
IA CALHOUN	16497	1479	42.38	94.65	1987
IA CARROLL	23219	1486	42.04	94.87	1957
IA CASS	18276	1448	41.33	94.94	1930
IA CEDAR	17285	1514	41.78	91.11	2271
IA CERRO GORDO	47686	1489	43.09	93.26	2128
IA CHEROKEE	18856	1483	42.74	95.63	1917
IA CHICKASAW	15143	1307	43.07	92.32	2207
IA CLARKE	8882	1110	41.03	93.79	2021
IA CLAY	18277	1476	43.09	95.16	1969
IA CLAYTON	22281	2018	42.85	91.33	2284
IA CLINTON	51956	1794	41.91	90.52	2326
IA CRAWFORD	19244	1853	42.03	95.39	1913
IA DALLAS	23863	1545	41.69	94.05	2016
IA DAVIS	9639	1317	40.76	92.40	2135
IA DECATUR	11730	1372	40.75	93.79	2014
IA DELAWARE	18056	1480	42.47	91.36	2270
IA DES MOINES	43137	1057	40.94	91.17	2246
IA DICKINSON	12677	983	43.38	95.16	1981
IA DUBUQUE	75041	1584	42.47	90.87	2311
IA EMMET	14431	1020	43.38	94.69	2020
IA FAYETTE	28416	1886	42.87	91.84	2241
IA FLOYD	21338	1303	43.07	92.79	2167
IA FRANKLIN	15928	1517	42.74	93.26	2116
IA FREMONT	11456	1356	40.76	95.61	1857
IA GREENE	15048	1473	42.04	94.40	1997
IA GRUNDY	13898	1297	42.41	92.79	2146
IA GUTHRIE	14517	1544	41.69	94.51	1977
IA HAMILTON	19815	1493	42.38	93.71	2067
IA HANCOCK	14877	1476	43.09	93.74	2088
IA HARDIN	22355	1486	42.39	93.24	2106
IA HARRISON	18726	1803	41.68	95.82	1865
IA HENRY	18488	1140	41.00	91.53	2216
IA HOWARD	12945	1220	43.36	92.32	2217
IA HUMBOLDT	13137	1127	42.78	94.21	2038
IA IDA	10514	1116	42.38	95.52	1913
IA IOWA	16075	1513	41.70	92.05	2188
IA JACKSON	19527	1667	42.17	90.56	2330
IA JASPER	33572	1893	41.69	93.05	2102
IA JEFFERSON	15748	1128	41.04	91.93	2182
IA JOHNSON	49113	1603	41.68	91.57	2229
IA JONES	19951	1514	42.13	91.11	2281
IA KEOKUK	16242	1500	41.35	92.17	2169

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IA KOSSUTH	25845	2536	43.21	94.21	2053
IA LEE	43571	1365	40.66	91.47	2215
IA LINN	118144	1856	42.09	91.59	2239
IA LOUISA	10759	1044	41.23	91.25	2246
IA LUCAS	11583	1124	41.03	93.33	2061
IA LYON	14597	1522	43.38	96.21	1894
IA MADISON	12774	1461	41.34	94.03	2009
IA MAHASKA	24215	1480	41.34	92.63	2129
IA MARION	25916	1289	41.34	93.10	2089
IA MARSHALL	36616	1486	42.04	93.00	2117
IA MILLS	13634	1158	41.03	95.62	1863
IA MITCHELL	13986	1210	43.37	92.79	2178
IA MONONA	15288	1810	42.05	95.96	1865
IA MONROE	11239	1127	41.03	92.87	2101
IA MONTGOMERY	15167	1092	41.03	95.16	1903
IA MUSCATINE	32868	1147	41.49	91.10	2265
IA O BRIEN	18916	1489	43.09	95.63	1930
IA OSCEOLA	10131	1030	43.38	95.63	1942
IA PAGE	22689	1386	40.75	95.15	1896
IA PALO ALTO	15400	1452	43.09	94.68	2009
IA PLYMOUTH	23534	2235	42.73	96.21	1868
IA POCOHONTAS	14961	1504	42.74	94.68	1996
IA POLK	243139	1497	41.69	93.58	2056
IA POTAWATTAMI	75386	2494	41.33	95.54	1878
IA POWESHIEK	19328	1525	41.70	92.52	2148
IA RINGGOLD	8839	1393	40.75	94.25	1974
IA SAC	17303	1497	42.38	95.12	1947
IA SCOTT	108502	1175	41.65	90.61	2311
IA SHELBY	15895	1520	41.68	95.32	1908
IA SIOUX	26377	1983	43.08	96.17	1885
IA STORY	46439	1470	42.03	93.47	2076
IA TAMA	21565	1864	42.09	92.52	2159
IA TAYLOR	11512	1368	40.75	94.70	1935
IA UNION	14823	1100	41.03	94.25	1981
IA VAN BUREN	10484	1261	40.76	91.94	2176
IA WAPELLO	46855	1131	41.04	92.40	2142
IA WARREN	19064	1445	41.34	93.57	2048
IA WASHINGTON	19495	1470	41.34	91.70	2210
IA WAYNE	10920	1377	40.75	93.33	2054
IA WEBSTER	45758	1859	42.43	94.18	2028
IA WINNEBAGO	13302	1038	43.39	93.74	2099
IA WINNESHEIK	21647	1781	43.30	91.84	2255
IA WOODBURY	105589	2256	42.38	96.04	1869

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
IA WORTH	10724	1036	43.38	93.26	2139
IA WRIGHT	19563	1493	42.74	93.74	2076
KS ALLEN	17415	1307	37.88	95.32	1838
KS ANDERSON	9743	1493	38.21	95.31	1841
KS ATCHISON	21236	1106	39.53	95.32	1857
KS BARBER	8605	2968	37.22	98.69	1536
KS BARTON	30956	2315	38.47	98.75	1539
KS BOURBON	17850	1655	37.86	94.86	1878
KS BROWN	14045	1493	39.83	95.57	1840
KS BUTLER	34144	3734	37.76	96.85	1701
KS CHASE	4446	2004	38.29	96.60	1727
KS CHAUTAUQUA	6777	1676	37.15	96.25	1752
KS CHEROKEE	23926	1517	37.18	94.86	1876
KS CHEYENNE	5262	2660	39.79	101.73	1303
KS CLARK	3710	2546	37.23	99.82	1436
KS CLAY	11261	1645	39.33	97.17	1691
KS CLOUD	15385	1841	39.47	97.65	1651
KS COFFEY	9558	1597	38.23	95.74	1803
KS COMANCHE	3627	2071	37.18	99.29	1483
KS COWLEY	37311	2941	37.23	96.85	1699
KS CRAWFORD	38869	1548	37.51	94.86	1876
KS DECATUR	6012	2327	39.79	100.46	1414
KS DICKINSON	21352	2213	38.85	97.15	1685
KS DONIPHAN	10108	1005	39.80	95.16	1875
KS DOUGLAS	38184	1220	38.89	95.31	1848
KS EDWARDS	5587	1597	37.88	99.31	1484
KS ELK	5985	1676	37.44	96.25	1753
KS ELLIS	19988	2330	38.91	99.32	1496
KS ELLSWORTH	8130	1856	38.69	98.20	1590
KS FINNEY	15518	3369	38.04	100.74	1359
KS FORD	20211	2826	37.69	99.89	1432
KS FRANKLIN	19763	1493	38.57	95.30	1845
KS GEARY	24691	968	38.99	96.75	1722
KS GOVE	4302	2771	38.92	100.48	1394
KS GRAHAM	5259	2308	39.36	99.88	1454
KS GRANT	4907	1479	37.56	101.31	1306
KS GRAY	4681	2257	37.74	100.43	1384
KS GREELEY	2038	2028	38.48	101.81	1270
KS GREENWOOD	12591	2933	37.86	96.24	1756
KS HAMILTON	3464	2568	38.00	101.79	1266
KS HARPER	9961	2074	37.19	98.08	1590
KS HARVEY	23473	1399	38.03	97.43	1651
KS HASKELL	2773	1501	37.56	100.86	1345

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
KS HODGEMAN	3224	2226	38.09	99.90	1434
KS JACKSON	10763	1698	39.41	95.80	1813
KS JEFFERSON	11155	1320	39.24	95.39	1846
KS JEWELL	8646	2356	39.78	98.22	1608
KS JOHNSON	97215	1233	38.89	94.83	1890
KS KEARNY	3327	2213	38.00	101.32	1307
KS KINGMAN	10169	2237	37.55	98.14	1586
KS KIOWA	4693	1864	37.55	99.29	1484
KS LABETTE	28230	1693	37.20	95.31	1836
KS LANE	2918	1864	38.48	100.46	1389
KS LEAVENWORTH	44980	1206	39.21	95.05	1875
KS LINCOLN	6183	1877	39.04	98.21	1595
KS LINN	9301	1569	38.22	94.85	1881
KS LOGAN	4138	2778	38.92	101.14	1336
KS LYON	26723	2177	38.44	96.16	1768
KS MCPHERSON	23932	2320	38.38	97.65	1635
KS MARION	15809	2447	38.35	97.10	1683
KS MARSHALL	16942	2287	39.78	96.53	1756
KS MEADE	5622	2536	37.24	100.36	1388
KS MIAMI	19776	1532	38.57	94.85	1885
KS MITCHELL	9701	1849	39.39	98.21	1601
KS MONTGOMERY	45860	1627	37.20	95.75	1797
KS MORRIS	8022	1804	38.68	96.65	1727
KS MORTON	2927	1886	37.19	101.80	1260
KS NEMaha	13728	1833	39.78	96.01	1800
KS NEOSHO	19973	1520	37.56	95.32	1836
KS NESS	5962	2799	38.48	99.91	1437
KS NORTON	8479	2257	39.79	99.90	1462
KS OSAGE	12847	1831	38.65	95.74	1807
KS OSBORNE	8114	2294	39.35	98.76	1552
KS OTTAWA	7063	1873	39.12	97.65	1645
KS PAWNEE	10705	1955	38.18	99.24	1493
KS PHILLIPS	9036	2322	39.78	99.35	1510
KS POTAWATOMIE	12176	2123	39.37	96.34	1764
KS PRATT	12139	1887	37.64	98.74	1533
KS RAWLINS	5537	2792	39.79	101.07	1361
KS RENO	56184	3262	37.94	98.08	1593
KS REPUBLIC	10751	1859	39.82	97.66	1658
KS RICE	14901	1877	38.34	98.20	1587
KS RILEY	37022	1545	39.29	96.74	1728
KS ROOKS	9339	2294	39.35	99.32	1503
KS RUSH	6774	1874	38.52	99.31	1491
KS RUSSELL	12533	2246	38.91	98.76	1544

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
KS SALINE	42468	1864	38.77	97.65	1640
KS SCOTT	5058	1874	38.48	100.90	1350
KS SEDGWICK	273691	2608	37.67	97.47	1646
KS SEWARD	12504	1673	37.19	100.85	1345
KS SHAWNEE	120661	1418	39.04	95.76	1810
KS SHERIDAN	4464	2312	39.36	100.44	1406
KS SHERMAN	7077	2731	39.36	101.72	1294
KS SMITH	8393	2312	39.78	98.79	1559
KS STAFFORD	8235	2059	38.02	98.71	1538
KS STANTON	2194	1750	37.56	101.78	1263
KS STEVENS	4469	1893	37.20	101.31	1304
KS SUMNER	24359	3071	37.23	97.49	1643
KS THOMAS	7481	2771	39.36	101.05	1353
KS TREGO	5704	2333	38.92	99.88	1447
KS WABAUNSEE	6974	2050	38.94	96.21	1770
KS WALLACE	2319	2358	38.92	101.76	1281
KS WASHINGTON	12027	2308	39.78	97.09	1706
KS WICHITA	2695	1874	38.48	101.35	1311
KS WILSON	14082	1486	37.56	95.75	1798
KS WOODSON	6171	1286	37.88	95.75	1800
KS WYANDOTTE	173891	394	39.13	94.77	1899
KY ADAIR	16367	958	37.09	85.30	2725
KY ALLEN	13138	909	36.76	86.18	2646
KY ANDERSON	8826	533	38.00	84.99	2754
KY BALLARD	8441	671	37.07	89.00	2396
KY BARREN	28396	1211	36.97	85.93	2668
KY BATH	9859	743	38.15	83.74	2866
KY BELL	42391	958	36.73	83.68	2869
KY BOONE	16811	644	38.96	84.73	2783
KY BOURBON	17930	777	38.21	84.21	2824
KY BOYD	50892	412	38.36	82.68	2961
KY BOYLE	20840	474	37.62	84.87	2763
KY BRACKEN	8001	527	38.70	84.09	2838
KY BREATHITT	18065	1279	37.53	83.32	2901
KY BRECKINRIDGE	15188	1434	37.78	86.43	2625
KY BULLITT	13212	777	37.97	85.70	2691
KY BUTLER	10578	1147	37.21	86.68	2602
KY CALDWELL	13146	924	37.14	87.86	2497
KY CALLOWAY	20497	995	36.63	88.27	2461
KY CAMPBELL	80709	385	38.95	84.38	2815
KY CARLISLE	5953	505	36.86	88.96	2400
KY CARROLL	8287	336	38.66	85.13	2746
KY CARTER	21825	1027	38.32	83.03	2929

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
KY CASEY	16122	1127	37.30	84.94	2756
KY CHRISTIAN	48538	1877	36.89	87.49	2530
KY CLARK	19824	671	37.97	84.14	2829
KY CLAY	22111	1227	37.17	83.71	2865
KY CLINTON	9876	492	36.73	85.14	2739
KY CRITTENDEN	9896	944	37.35	88.10	2476
KY CUMBERLAND	8686	802	36.79	85.40	2716
KY DAVIESS	62916	1196	37.73	87.09	2567
KY EDMONSON	8830	771	37.21	86.24	2641
KY ELLIOTT	6763	622	38.12	83.10	2922
KY ESTILL	13741	672	37.69	83.96	2844
KY FAYETTE	113993	724	38.04	84.46	2802
KY FLEMING	11511	906	38.38	83.68	2872
KY FLOYD	48464	1033	37.56	82.74	2952
KY FRANKLIN	27415	546	38.23	84.88	2765
KY FULTON	12647	526	36.58	89.12	2385
KY GALLATIN	3925	259	38.75	84.86	2771
KY GARRARD	10484	610	37.64	84.54	2793
KY GRANT	9673	644	38.64	84.61	2791
KY GRAVES	30789	1449	36.73	88.65	2427
KY GRAYSON	16546	1285	37.47	86.34	2632
KY GREEN	11254	730	37.27	85.57	2701
KY GREENUP	26732	909	38.55	82.91	2941
KY HANCOCK	5722	484	37.85	86.78	2594
KY HARDIN	57739	1594	37.71	85.97	2666
KY HARLAN	62978	1214	36.86	83.21	2910
KY HARRISON	13725	798	38.44	84.33	2815
KY HART	14810	1088	37.30	85.89	2672
KY HENDERSON	31906	1120	37.79	87.57	2524
KY HENRY	11220	748	38.44	85.12	2745
KY HICKMAN	7341	637	36.68	88.93	2402
KY HOPKINS	38664	1431	37.31	87.54	2526
KY JACKSON	12071	872	37.42	84.00	2840
KY JEFFERSON	538310	971	38.18	85.67	2695
KY JESSAMINE	12956	457	37.87	84.58	2790
KY JOHNSON	22105	684	37.85	82.83	2945
KY KENTON	111246	426	38.93	84.53	2801
KY KNOTT	19064	922	37.36	82.95	2933
KY KNOX	28222	965	36.90	83.85	2853
KY LARUE	10120	672	37.55	85.71	2689
KY LAUREL	25418	1155	37.11	84.11	2830
KY LAWRENCE	13452	1100	38.07	82.73	2955
KY LEE	8180	543	37.60	83.70	2867

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KY LESLIE	13585	1058	37.10	83.37	2895
KY LETCHER	35516	878	37.13	82.85	2942
KY LEWIS	13352	1258	38.54	83.37	2901
KY LINCOLN	17750	881	37.46	84.66	2781
KY LIVINGSTON	7122	805	37.21	88.36	2453
KY LOGAN	21721	1458	36.86	86.88	2584
KY LYON	6456	558	37.01	88.08	2478
KY MCCRACKEN	52610	647	37.06	88.71	2422
KY MCCREARY	14875	1082	36.74	84.48	2797
KY MCLEAN	9740	665	37.53	87.27	2550
KY MADISON	32158	1155	37.72	84.28	2816
KY MAGOFFIN	12702	785	37.71	83.06	2924
KY MARION	17074	888	37.56	85.28	2727
KY MARSHALL	14810	785	36.88	88.33	2456
KY MARTIN	11051	598	37.80	82.51	2973
KY MASON	18474	616	38.60	83.81	2862
KY MEADE	13465	789	37.99	86.22	2645
KY MENIFEE	4577	543	37.95	83.60	2877
KY MERCER	14624	663	37.81	84.88	2763
KY METCALFE	9223	767	36.99	85.64	2694
KY MONROE	12934	865	36.71	85.72	2687
KY MONTGOMERY	13210	527	38.03	83.91	2850
KY MORGAN	12535	955	37.92	83.25	2908
KY MUHLENBERG	30501	1245	37.21	87.14	2561
KY NELSON	20649	1131	37.81	85.49	2709
KY NICHOLAS	7171	527	38.34	84.00	2843
KY OHIO	19518	1544	37.48	86.85	2587
KY OLDHAM	12031	477	38.39	85.46	2715
KY OWEN	9109	909	38.51	84.82	2772
KY OWSLEY	6500	509	37.42	83.68	2869
KY PENDLETON	9766	723	38.69	84.35	2815
KY PERRY	41638	882	37.25	83.21	2910
KY PIKE	75673	2025	37.47	82.39	2983
KY POWELL	6754	447	37.83	83.82	2857
KY PULASKI	36731	1690	37.11	84.56	2790
KY ROBERTSON	2698	261	38.52	84.04	2841
KY ROCKCASTLE	13253	805	37.37	84.31	2812
KY ROWAN	12754	751	38.20	83.40	2895
KY RUSSELL	12594	616	36.98	85.07	2745
KY SCOTT	15243	736	38.29	84.58	2792
KY SHELBY	18159	992	38.21	85.20	2737
KY SIMPSON	11625	619	36.74	86.58	2611
KY SPENCER	5956	499	38.03	85.32	2725

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
KY TAYLOR	15202	716	37.36	85.34	2721
KY TODD	12240	974	36.84	87.18	2558
KY TRIGG	9338	1057	36.80	87.87	2496
KY TRIMBLE	5131	378	38.60	85.35	2726
KY UNION	14741	881	37.66	87.95	2491
KY WARREN	43920	1414	37.00	86.42	2625
KY WASHINGTON	12088	795	37.76	85.18	2736
KY WAYNE	15717	1140	36.81	84.83	2766
KY WEBSTER	15000	878	37.52	87.68	2514
KY WHITLEY	29337	1189	36.76	84.15	2827
KY WOLFE	7158	588	37.74	83.49	2886
KY WOODFORD	11515	499	38.04	84.74	2776
LA ACADIA	48277	1717	30.30	92.41	2222
LA ALLEN	19272	2004	30.65	92.82	2174
LA ASCENSION	24743	779	30.20	90.91	2351
LA ASSUMPTION	17586	922	29.90	91.07	2349
LA AVOYELLES	37853	2154	31.08	92.01	2228
LA BEAUREGARD	18376	3058	30.66	93.35	2130
LA BIENVILLE	18093	2154	32.35	93.05	2101
LA BOSSIER	47567	2198	32.68	93.61	2044
LA CADDO	196653	2327	32.59	93.89	2022
LA CALCASIEU	113367	2861	30.24	93.35	2146
LA CALDWELL	9748	1427	32.09	92.12	2188
LA CAMERON	6528	3731	29.89	93.19	2173
LA CATAHOULA	11660	1921	31.67	91.85	2223
LA CLAIBORNE	22661	1976	32.83	93.00	2093
LA CONCORDIA	16978	1859	31.45	91.64	2248
LA DE SOTO	24334	2315	32.07	93.74	2050
LA EAST BATON R	188763	1189	30.54	91.10	2323
LA EAST CARROLL	15511	1128	32.73	91.24	2247
LA EAST FELICIA	19586	1175	30.85	91.05	2317
LA EVANGELINE	31636	1732	30.73	92.40	2206
LA FRANKLIN	27980	1677	32.14	91.68	2225
LA GRANT	13868	1735	31.60	92.56	2165
LA IBERIA	44992	1525	29.97	91.70	2294
LA IBERVILLE	28105	1624	30.26	91.36	2311
LA JACKSON	15606	1507	32.31	92.56	2145
LA JEFFERSON	148455	955	29.72	90.12	2435
LA JEFFERSON DA	27796	1704	30.27	92.81	2190
LA LAFAYETTE	69180	733	30.21	92.06	2254
LA LAFOURCHE	47809	2954	29.58	90.43	2414
LA LA SALLE	12842	1665	31.68	92.16	2196
LA LINCOLN	26952	1214	32.61	92.66	2128

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
LA LIVINGSTON	22995	1693	30.44	90.72	2359
LA MADISON	17027	1711	32.37	91.25	2256
LA MOREHOUSE	32749	2081	32.83	91.81	2196
LA NATCHITOCHES	37086	3345	31.73	93.09	2116
LA ORLEANS	594710	509	30.04	89.93	2439
LA OUACHITA	86168	1652	32.48	92.16	2174
LA PLAQUEMINES	17769	2667	29.45	89.62	2486
LA POINTE COUPE	22116	1458	30.72	91.61	2274
LA RAPIDES	99443	3413	31.20	92.53	2180
LA RED RIVER	11208	1051	32.10	93.34	2083
LA RICHLAND	25465	1491	32.42	91.77	2209
LA SABINE	19895	2260	31.57	93.56	2081
LA ST BERNARD	20053	1331	29.90	89.54	2477
LA ST CHARLES	16705	761	29.90	90.36	2408
LA ST HELENA	9076	1088	30.82	90.71	2347
LA ST JAMES	16624	654	30.03	90.79	2367
LA ST JOHN THE	16382	588	30.10	90.55	2385
LA ST LANDRY	79765	2413	30.60	92.01	2245
LA ST MARTIN	27508	1905	29.88	91.27	2333
LA ST MARY	41367	1615	29.72	91.44	2325
LA ST TAMMANY	31946	2297	30.47	89.94	2423
LA TANGIPAHOA	55857	2092	30.65	90.41	2377
LA TENSAS	12612	1621	32.01	91.33	2258
LA TERREBONNE	50746	3542	29.43	90.84	2386
LA UNION	18496	2291	32.84	92.38	2146
LA VERMILION	37750	3120	29.86	92.32	2246
LA VERNON	18689	3498	31.11	93.18	2128
LA WASHINGTON	40769	1721	30.86	90.03	2403
LA WEBSTER	37407	1593	32.72	93.34	2067
LA WEST BATON R	13039	526	30.46	91.33	2307
LA WEST CARROLL	15947	922	32.79	91.46	2227
LA WEST FELICIA	11119	1048	30.88	91.42	2284
LA WINN	16083	2460	31.95	92.64	2148
ME ANDROSCOGGIN	84755	1227	44.17	70.20	4141
ME AROOSTOOK	100296	17665	46.66	68.60	4341
ME CUMBERLAND	174958	2277	43.87	70.43	4115
ME FRANKLIN	20422	4425	44.98	70.44	4139
ME HANCOCK	32185	3977	44.71	68.36	4313
ME KENNEBEC	86118	2257	44.42	69.77	4185
ME KNOX	28312	955	44.18	69.24	4225
ME LINCOLN	18214	1175	44.09	69.54	4197
ME OXFORD	44271	5386	44.52	70.76	4100
ME PENOBCOT	115906	8779	45.40	68.66	4304

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ME PISCATAQUIS	18094	10079	45.84	69.29	4260
ME SAGADAHOC	21711	665	43.99	69.87	4167
ME SOMERSET	39771	10084	45.52	69.96	4194
ME WALDO	22089	1908	44.52	69.16	4239
ME WASHINGTON	34218	6614	45.05	67.65	4383
ME YORK	96035	2592	43.49	70.71	4083
MD ALLEGANY	87266	1109	39.62	78.70	3323
MD ANNE ARUNDEL	155319	1096	39.01	76.63	3501
MD BALTIMORE	1309861	1750	39.47	76.65	3503
MD CALVERT	13683	561	38.55	76.59	3502
MD CAROLINE	18755	830	38.87	75.84	3570
MD CARROLL	48256	1180	39.56	77.03	3470
MD CECIL	39749	937	39.58	75.95	3566
MD CHARLES	27309	1189	38.50	77.04	3461
MD DORCHESTER	28601	1538	38.49	76.01	3553
MD FREDERICK	66383	1721	39.48	77.41	3436
MD GARRETT	20903	1707	39.54	79.27	3271
MD HARFORD	62382	1172	39.56	76.33	3532
MD HOWARD	28659	650	39.25	76.94	3475
MD KENT	14444	727	39.26	76.04	3555
MD MONTGOMERY	239426	1282	39.14	77.22	3449
MD PRINCE GEORG	263546	1255	38.83	76.86	3479
MD QUEEN ANNES	15426	971	39.08	75.99	3558
MD ST MARYS	33278	965	38.30	76.63	3496
MD SOMERSET	20273	878	38.12	75.74	3575
MD TALBOT	20342	675	38.77	76.09	3547
MD WASHINGTON	84128	1189	39.61	77.82	3400
MD WICOMICO	43636	986	38.37	75.63	3586
MD WORCESTER	23401	1241	38.22	75.35	3610
MA BARNSTABLE	56782	1017	41.74	70.28	4091
MA BERKSHIRE	136865	2436	42.37	73.21	3844
MA BRISTOL	388757	1434	41.81	71.11	4019
MA DUKES	5715	268	41.38	70.64	4055
MA ESSEX	542126	1279	42.67	70.96	4046
MA FRANKLIN	53645	1833	42.58	72.59	3902
MA HAMPDEN	394061	1603	42.14	72.63	3891
MA HAMPSHIRE	94239	1369	42.34	72.66	3891
MA MIDDLESEX	1138593	2136	42.49	71.39	4005
MA NANTUCKET	3516	119	41.29	70.05	4105
MA NORFOLK	442438	1020	42.16	71.22	4014
MA PLYMOUTH	214538	1693	41.96	70.82	4047
MA SUFFOLK	851870	145	42.31	71.11	4027
MA WORCESTER	562056	3907	42.35	71.91	3958

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
MI ALCONA	6065	1756	44.69	83.60	3000
MI ALGER	9686	2343	46.41	86.62	2809
MI ALLEGAN	51850	2139	42.59	85.89	2744
MI ALPENA	24895	1462	45.04	83.63	3008
MI ANTRIM	10573	1233	45.00	85.14	2880
MI ARENAC	9736	951	44.07	83.89	2955
MI BARAGA	7659	2333	46.66	88.38	2676
MI BARRY	28542	1434	42.60	85.31	2793
MI BAY	96359	1158	43.70	83.99	2937
MI BENZIE	8105	817	44.64	86.01	2794
MI BERRIEN	130222	1501	41.96	86.42	2682
MI BRANCH	32201	1310	41.93	85.07	2799
MI CALHOUN	128481	1835	42.25	85.00	2812
MI CASS	31903	1272	41.92	86.00	2718
MI CHARLEVOIX	13454	1072	45.23	85.04	2896
MI CHEBOYGAN	14078	1866	45.45	84.50	2948
MI CHIPPEWA	30675	4118	46.33	84.72	2963
MI CLARE	10843	1479	43.99	84.84	2872
MI CLINTON	34071	1480	42.95	84.60	2864
MI CRAWFORD	4502	1452	44.69	84.60	2914
MI DELTA	33501	3047	45.93	86.94	2763
MI DICKINSON	24447	1960	46.01	87.88	2688
MI EATON	44129	1479	42.60	84.84	2834
MI EMMET	16264	1193	45.51	84.89	2918
MI GENESEE	314887	1662	43.03	83.71	2943
MI GLADWIN	10011	1307	43.99	84.38	2911
MI GOGEBIC	25916	2867	46.40	89.68	2558
MI GRAND TRAVER	30679	1196	44.67	85.56	2833
MI GRATIOT	34951	1465	43.30	84.61	2872
MI HILLSDALE	33118	1553	41.90	84.60	2839
MI HOUGHTON	38019	2633	46.90	88.69	2662
MI HURON	33515	2121	43.84	83.01	3024
MI INGHAM	189239	1448	42.60	84.37	2875
MI IONIA	40274	1489	42.95	85.07	2823
MI IOSCO	13291	1408	44.36	83.64	2986
MI IRON	17475	3033	46.21	88.54	2643
MI ISABELLA	31682	1480	43.64	84.85	2861
MI JACKSON	118158	1807	42.25	84.42	2863
MI KALAMAZOO	144984	1455	42.25	85.53	2766
MI KALKASKA	4503	1465	44.69	85.08	2873
MI KENT	320129	2219	43.03	85.55	2784
MI KEWEENAW	2703	1393	47.36	88.12	2729
MI LAKE	5289	1479	43.99	85.81	2790

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
MI LAPEER	38401	1704	43.10	83.22	2986
MI LEELANAU	8935	893	44.92	85.77	2823
MI LENAWEE	70223	1949	41.91	84.07	2886
MI LIVINGSTON	31617	1480	42.61	83.91	2915
MI LUCE	8014	2346	46.47	85.55	2900
MI MACKINAC	9954	2626	46.10	85.13	2920
MI MACOMB	278821	1242	42.70	82.93	3002
MI MANISTEE	18748	1431	44.34	86.05	2780
MI MARQUETTE	51267	4734	46.43	87.65	2726
MI MASON	21092	1269	43.99	86.25	2752
MI MECOSTA	19853	1449	43.64	85.33	2820
MI MENOMINEE	25033	2688	45.57	87.57	2697
MI MIDLAND	42370	1347	43.65	84.39	2901
MI MISSAUKEE	7176	1462	44.34	85.08	2862
MI MONROE	86486	1442	41.94	83.54	2933
MI MONTCALM	33042	1843	43.31	85.16	2825
MI MONTMORENCY	4253	1437	45.03	84.12	2966
MI MUSKEGON	133617	1297	43.29	86.14	2741
MI NEWAYGO	22667	2198	43.55	85.81	2777
MI OAKLAND	521061	2246	42.67	83.38	2962
MI OCEANA	16298	1387	43.64	86.25	2741
MI OGEMAW	9488	1479	44.34	84.12	2944
MI ONTONAGON	10409	3407	46.67	89.32	2600
MI OSCEOLA	13711	1504	43.99	85.32	2831
MI OSCODA	3268	1458	44.68	84.12	2955
MI OTSEGO	6905	1365	45.02	84.59	2926
MI OTTAWA	84363	1458	42.96	85.99	2744
MI PRESQUE ISLE	12471	1677	45.35	83.91	2994
MI ROSCOMMON	6461	1348	44.34	84.60	2903
MI SAGINAW	169341	2108	43.34	84.05	2921
MI ST CLAIR	98232	1901	42.96	82.70	3028
MI ST JOSEPH	38159	1310	41.93	85.53	2759
MI SANILAC	31463	2488	43.43	82.82	3030
MI SCHOOLCRAFT	9067	3058	46.20	86.21	2834
MI SHIAWASSEE	49143	1399	42.96	84.14	2904
MI TUSCOLA	40410	2111	43.47	83.42	2979
MI VAN BUREN	43098	1562	42.25	86.02	2724
MI WASHTENAW	150689	1841	42.26	83.83	2913
MI WAYNE	2533436	1566	42.30	83.29	2962
MI WEXFORD	18565	1448	44.34	85.57	2821
MN AITKIN	13412	4734	46.61	93.41	2271
MN ANOKA	56974	1097	45.28	93.25	2219
MN BECKER	24468	3358	46.93	95.66	2116

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MN BELTRAMI	24307	6492	47.97	94.91	2233
MN BENTON	16496	1041	45.71	94.01	2179
MN BIG STONE	9328	1269	45.43	96.39	1976
MN BLUE EARTH	40901	1908	44.05	94.07	2097
MN BROWN	26650	1579	44.26	94.73	2053
MN CARLTON	26001	2232	46.59	92.67	2328
MN CARVER	19514	930	44.83	93.80	2153
MN CASS	18302	5174	46.96	94.32	2220
MN CHIPPEWA	16561	1507	45.03	95.56	2021
MN CHISAGO	12985	1085	45.51	92.92	2256
MN CLAY	34069	2706	46.89	96.47	2052
MN CLEARWATER	9634	2589	47.58	95.37	2176
MN COOK	3104	3486	47.90	90.51	2566
MN COTTONWOOD	15937	1646	44.02	95.19	2005
MN CROW WING	31410	2577	46.48	94.07	2213
MN DAKOTA	61465	1491	44.69	93.07	2207
MN DODGE	12890	1127	44.03	92.86	2197
MN DOUGLAS	21308	1676	45.94	95.45	2076
MN FARIBAULT	23793	1841	43.68	93.96	2092
MN FILLMORE	24170	2225	43.69	92.09	2248
MN FREEBORN	35950	1815	43.69	93.35	2143
MN GOODHUE	32511	1949	44.42	92.73	2224
MN GRANT	9258	1414	45.94	96.01	2033
MN HENNEPIN	747246	1469	45.02	93.48	2188
MN HOUSTON	15349	1462	43.68	91.49	2298
MN HUBBARD	10610	2413	47.10	94.91	2183
MN ISANTI	12720	1134	45.57	93.30	2229
MN ITASCA	35316	6818	47.50	93.61	2304
MN JACKSON	15962	1803	43.68	95.17	1992
MN KANABEC	9113	1356	45.96	93.29	2247
MN KANDIYOH	29216	2028	45.16	95.00	2072
MN KITTS	9092	2909	48.78	96.76	2151
MN KOOCHICHING	17453	8098	48.24	93.76	2336
MN LAC QUI PARL	14030	1988	45.00	96.17	1972
MN LAKE	10294	5340	47.64	91.43	2480
MN LAKE OF THE	4675	3394	48.78	94.89	2285
MN LE SUEUR	19436	1140	44.39	93.73	2140
MN LINCOLN	9940	1375	44.42	96.25	1937
MN LYON	22426	1835	44.43	95.83	1971
MN MCLEOD	23133	1264	44.83	94.27	2115
MN MAHNOMEN	6756	1458	47.33	95.80	2128
MN MARSHALL	15335	4633	48.36	96.37	2151
MN MARTIN	26220	1821	43.68	94.56	2042

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MN MEEKER	18932	1603	45.13	94.52	2109
MN MILLE LACS	14905	1479	45.95	93.63	2220
MN MORRISON	26171	2919	46.02	94.27	2173
MN MOWER	44920	1821	43.68	92.76	2192
MN MURRAY	14778	1821	44.04	95.76	1959
MN NICOLLET	21891	1119	44.37	94.25	2097
MN NOBLES	22832	1843	43.68	95.76	1943
MN NORMAN	12202	2291	47.33	96.44	2081
MN OLMSTED	55581	1698	44.01	92.40	2234
MN OTTER TAIL	50316	5081	46.41	95.69	2083
MN PENNINGTON	12751	1610	48.07	96.01	2159
MN PINE	17701	3662	46.13	92.74	2300
MN PIPESTONE	13835	1202	44.03	96.24	1920
MN POLK	36020	5213	47.78	96.39	2112
MN POPE	12462	1732	45.59	95.44	2059
MN RAMSEY	383891	401	45.03	93.10	2220
MN RED LAKE	6394	1119	47.87	96.08	2141
MN REDWOOD	21956	2263	44.42	95.25	2017
MN RENVILLE	23653	2536	44.74	94.94	2057
MN RICE	37402	1285	44.37	93.30	2174
MN ROCK	11528	1255	43.68	96.24	1904
MN ROSEAU	13502	4340	48.78	95.79	2220
MN ST LOUIS	216914	15777	47.60	92.46	2398
MN SCOTT	18789	913	44.66	93.53	2168
MN SHERBURNE	11597	1116	45.46	93.78	2184
MN SIBLEY	15997	1510	44.59	94.23	2108
MN STEARNS	74793	3475	45.56	94.61	2123
MN STEELE	22803	1100	44.03	93.23	2166
MN STEVENS	11172	1445	45.59	96.00	2016
MN SWIFT	15455	1914	45.29	95.68	2025
MN TODD	24441	2439	46.08	94.89	2127
MN TRAVERSE	7820	1470	45.78	96.46	1989
MN WABASHA	16936	1351	44.29	92.22	2260
MN WADENA	12548	1387	46.59	94.96	2150
MN WASECA	15421	1075	44.03	93.60	2136
MN WASHINGTON	42149	999	45.04	92.89	2237
MN WATONWAN	14130	1120	43.99	94.62	2050
MN WILKIN	10600	1947	46.36	96.46	2022
MN WINONA	40310	1605	44.00	91.78	2286
MN WRIGHT	28656	1745	45.18	93.96	2156
MN YELLOW MEDIC	15962	1949	44.73	95.86	1983
MS ADAMS	34585	1162	31.49	91.35	2271
MS ALCORN	26359	1048	34.88	88.58	2444

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MS AMITE	17694	1887	31.18	90.81	2327
MS ATTALA	24391	1874	33.09	89.58	2384
MS BENTON	8340	1066	34.82	89.19	2391
MS BOLIVAR	59372	2391	33.80	90.89	2257
MS CALHOUN	17334	1489	33.94	89.33	2390
MS CARROLL	13662	1649	33.45	89.92	2347
MS CHICKASAW	18080	1310	33.92	88.94	2425
MS CHOCTAW	9915	1079	33.35	89.25	2408
MS CLAIBORNE	11479	1266	31.98	90.92	2295
MS CLARKE	18147	1804	32.04	88.69	2485
MS CLAY	18259	1072	33.66	88.78	2444
MS COAHOMA	48023	1473	34.24	90.61	2274
MS COPIAH	29029	2019	31.87	90.46	2337
MS COVINGTON	15018	1076	31.64	89.56	2421
MS DE SOTO	24299	1233	34.88	89.99	2320
MS FORREST	48316	1211	31.19	89.26	2459
MS FRANKLIN	10231	1470	31.48	90.90	2310
MS GEORGE	10474	1245	30.86	88.64	2521
MS GREENE	8280	1886	31.21	88.64	2512
MS GRENADA	18651	1116	33.77	89.80	2352
MS HANCOCK	12806	1248	30.43	89.49	2463
MS HARRISON	99127	1514	30.53	89.12	2491
MS HINDS	161236	2268	32.27	90.45	2327
MS HOLMES	30665	1991	33.13	90.10	2339
MS HUMPHREYS	21407	1089	33.13	90.53	2300
MS ISSAQUENA	4374	1072	32.74	90.99	2269
MS ITAWAMBA	16315	1400	34.28	88.36	2471
MS JACKSON	41653	1905	30.56	88.64	2531
MS JASPER	18060	1769	32.03	89.12	2449
MS JEFFERSON	10811	1348	31.74	91.04	2291
MS JEFFERSON DA	14668	1072	31.58	89.83	2399
MS JONES	58217	1818	31.63	89.17	2455
MS KEMPER	14356	1960	32.76	88.64	2473
MS LAFAYETTE	22187	1729	34.36	89.49	2371
MS LAMAR	13419	1294	31.22	89.51	2436
MS LAUDERDALE	65426	1833	32.40	88.66	2479
MS LAWRENCE	11612	1120	31.56	90.12	2375
MS LEAKE	20357	1517	32.76	89.53	2396
MS LEE	39235	1178	34.29	88.68	2443
MS LEFLORE	49829	1532	33.55	90.31	2312
MS LINCOLN	27418	1517	31.54	90.46	2346
MS LOWNDES	41589	1316	33.47	88.44	2476
MS MADISON	33450	1883	32.64	90.05	2354

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MS MARION	23684	1424	31.24	89.83	2409
MS MARSHALL	24850	1838	34.76	89.50	2364
MS MONROE	35444	1991	33.89	88.48	2467
MS MONTGOMERY	13985	1044	33.49	89.61	2374
MS NESHOBIA	23690	1470	32.76	89.12	2432
MS NEWTON	21340	1501	32.40	89.11	2440
MS NOXUBEE	18669	1800	33.11	88.57	2473
MS OKTIBBEHA	25252	1175	33.42	88.88	2440
MS PANOLA	30216	1794	34.37	89.95	2330
MS PEARL RIVER	21393	2145	30.78	89.58	2444
MS PERRY	8952	1690	31.18	88.99	2482
MS PIKE	35101	1058	31.18	90.42	2361
MS PONTOTOC	18821	1297	34.23	89.04	2412
MS PRENTISS	19023	1082	34.62	88.52	2453
MS QUITMAN	23820	1066	34.26	90.29	2302
MS RANKIN	31194	2007	32.27	89.95	2370
MS SCOTT	21470	1593	32.41	89.54	2403
MS SHARKEY	11984	1128	32.88	90.82	2281
MS SIMPSON	21238	1520	31.92	89.93	2382
MS SMITH	15702	1662	32.03	89.51	2415
MS STONE	6579	1159	30.79	89.12	2483
MS SUNFLOWER	51657	1797	33.61	90.59	2286
MS TALLAHATCHIE	27767	1667	33.96	90.18	2316
MS TATE	18067	1048	34.65	89.95	2326
MS TIPPAH	16492	1202	34.77	88.91	2417
MS TISHOMINGO	14844	1147	34.74	88.24	2476
MS TUNICA	19613	1186	34.65	90.37	2289
MS UNION	19686	1092	34.49	89.01	2412
MS WALTHALL	14691	1044	31.15	90.11	2387
MS WARREN	40716	1504	32.37	90.85	2291
MS WASHINGTON	73964	1901	33.28	90.95	2261
MS WAYNE	16693	2142	31.65	88.69	2495
MS WEBSTER	11174	1076	33.61	89.28	2400
MS WILKINSON	13740	1745	31.16	91.32	2284
MS WINSTON	20966	1569	33.09	89.03	2433
MS YALOBUSHA	14045	1264	34.03	89.71	2356
MS YAZOO	33987	2429	32.79	90.40	2319
MO ADAIR	19863	1480	40.20	92.59	2108
MO ANDREW	11442	1128	40.00	94.80	1911
MO ATCHISON	10311	1421	40.45	95.43	1865
MO AUDRAIN	24790	1791	39.21	91.83	2159
MO BARRY	20550	2028	36.72	93.84	1966
MO BARTON	12014	1538	37.51	94.36	1922

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MO BATES	16842	2177	38.26	94.34	1927
MO BENTON	8934	1904	38.30	93.29	2020
MO BOLLINGER	10236	1607	37.32	90.03	2305
MO BOONE	51310	1773	38.99	92.30	2115
MO BUCHANAN	94171	1045	39.67	94.81	1904
MO BUTLER	36411	1852	36.72	90.41	2271
MO CALDWELL	9465	1113	39.67	93.98	1976
MO CALLAWAY	23548	2163	38.84	91.92	2147
MO CAMDEN	8391	1658	38.03	92.76	2065
MO CAPE GIRARDE	39938	1486	37.38	89.68	2336
MO CARROLL	14852	1804	39.44	93.51	2014
MO CARTER	4435	1310	36.93	90.98	2220
MO CASS	23733	1807	38.65	94.36	1929
MO CEDAR	10035	1285	37.72	93.86	1966
MO CHARITON	14004	1952	39.52	92.95	2064
MO CHRISTIAN	12392	1469	36.97	93.20	2023
MO CLARK	8886	1310	40.42	91.72	2188
MO CLAY	63182	1066	39.32	94.42	1932
MO CLINTON	11672	1088	39.61	94.40	1938
MO COLE	37715	995	38.50	92.27	2112
MO COOPER	16119	1465	38.84	92.80	2069
MO CRAWFORD	12052	1967	37.97	91.31	2194
MO DADE	8582	1304	37.44	93.85	1966
MO DALLAS	9935	1390	37.68	93.03	2040
MO DAVIESS	10469	1458	39.97	93.98	1981
MO DE KALB	7702	1096	39.90	94.40	1944
MO DENT	10729	1957	37.60	91.51	2174
MO DOUGLAS	11368	2094	36.94	92.50	2085
MO DUNKLIN	42699	1406	36.28	90.09	2300
MO FRANKLIN	39666	2419	38.41	91.07	2217
MO GASCONADE	12281	1344	38.44	91.51	2179
MO GENTRY	10080	1264	40.22	94.41	1949
MO GREENE	113942	1752	37.26	93.35	2010
MO GRUNDY	12799	1127	40.12	93.56	2021
MO HARRISON	13044	1864	40.37	93.99	1989
MO HENRY	19693	1901	38.39	93.79	1976
MO HICKORY	5018	975	37.95	93.32	2015
MO HOLT	9008	1186	40.11	95.21	1877
MO HOWARD	11436	1221	39.14	92.68	2083
MO HOWELL	22431	2382	36.77	91.89	2139
MO IRON	8856	1434	37.55	90.78	2239
MO JACKSON	575755	1562	39.01	94.35	1934
MO JASPER	79002	1662	37.22	94.35	1921

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MO JEFFERSON	50062	1729	38.26	90.54	2263
MO JOHNSON	24229	2139	38.74	93.81	1979
MO KNOX	7171	1325	40.13	92.13	2146
MO LACLEDE	19003	1994	37.66	92.59	2079
MO LAFAYETTE	25276	1636	39.07	93.79	1984
MO LAWRENCE	23354	1603	37.12	93.84	1966
MO LEWIS	10838	1316	40.10	91.71	2183
MO LINCOLN	14037	1618	39.05	90.97	2233
MO LINN	17999	1610	39.87	93.10	2057
MO LIVINGSTON	16206	1372	39.79	93.55	2016
MO MCDONALD	13145	1399	36.64	94.36	1921
MO MACON	17540	2066	39.83	92.55	2105
MO MADISON	9948	1285	37.47	90.35	2277
MO MARIES	7363	1359	38.16	91.92	2141
MO MARION	29663	1134	39.80	91.61	2186
MO MERCER	6605	1178	40.44	93.57	2027
MO MILLER	13763	1553	38.21	92.42	2097
MO MISSISSIPPI	21765	1075	36.83	89.27	2372
MO MONITEAU	10697	1085	38.63	92.58	2086
MO MONROE	11046	1732	39.49	91.98	2149
MO MONTGOMERY	11365	1383	38.93	91.46	2188
MO MORGAN	9895	1532	38.42	92.88	2057
MO NEW MADRID	36006	1759	36.60	89.64	2339
MO NEWTON	29033	1628	36.92	94.35	1921
MO NODAWAY	23265	2270	40.38	94.89	1911
MO OREGON	11075	2031	36.69	91.42	2182
MO OSAGE	11120	1575	38.46	91.86	2149
MO OZARK	7959	1895	36.65	92.44	2091
MO PEMISCOT	42425	1276	36.21	89.79	2327
MO PERRY	14791	1220	37.70	89.83	2323
MO PETTIS	33081	1759	38.73	93.28	2025
MO PHELPS	23162	1752	37.88	91.79	2150
MO PIKE	16786	1763	39.34	91.17	2219
MO PLATTE	18533	1106	39.39	94.77	1902
MO POLK	15083	1649	37.62	93.41	2006
MO PULASKI	25766	1427	37.82	92.20	2114
MO PUTNAM	8249	1341	40.49	93.01	2077
MO RALLS	8429	1238	39.52	91.51	2191
MO RANDOLPH	22538	1224	39.44	92.48	2105
MO RAY	15993	1483	39.36	93.99	1970
MO REYNOLDS	6169	2115	37.35	90.98	2221
MO RIPLEY	10428	1655	36.65	90.87	2230
MO ST CHARLES	39668	1427	38.77	90.71	2252

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
MO ST CLAIR	9611	1804	38.78	90.67	2256
MO ST FRANCOIS	35800	1183	37.81	90.47	2267
MO ST LOUIS	1343947	1449	38.64	90.45	2274
MO STE GENEVIEV	11614	1292	37.89	90.19	2292
MO SALINE	26040	1960	39.14	93.20	2037
MO SCHUYLER	5459	792	40.48	92.51	2120
MO SCOTLAND	6972	1141	40.46	92.13	2152
MO SCOTT	32801	1089	37.05	89.57	2346
MO SHANNON	7829	2586	37.15	91.41	2182
MO SHELBY	9448	1297	39.79	92.06	2147
MO STODDARD	31776	2132	36.86	89.95	2312
MO STONE	9081	1162	36.75	93.47	1999
MO SULLIVAN	10232	1693	40.21	93.10	2063
MO TANEY	10024	1593	36.66	93.05	2037
MO TEXAS	18468	3064	37.31	91.97	2133
MO VERNON	21779	2170	37.85	94.35	1923
MO WARREN	8127	1103	38.76	91.15	2214
MO WASHINGTON	14543	1967	37.96	90.88	2232
MO WAYNE	9717	1983	37.11	90.47	2265
MO WEBSTER	14514	1528	37.28	92.88	2052
MO WORTH	4616	692	40.50	94.43	1954
MO WRIGHT	15132	1772	37.28	92.27	2106
MT BEAVERHEAD	6891	14376	45.13	112.89	945
MT BIG HORN	9904	13009	45.42	107.49	1203
MT BLAINE	8334	11071	48.43	108.96	1415
MT BROADWATER	2875	3089	46.33	111.49	1111
MT CARBON	9421	5350	45.22	109.04	1103
MT CARTER	2671	8580	45.52	104.53	1390
MT CASCADE	61695	6891	47.30	111.34	1217
MT CHOUTEAU	7135	10170	47.88	110.43	1306
MT CUSTER	12899	9727	46.26	105.55	1385
MT DANIELS	3862	3736	48.78	105.54	1605
MT DAWSON	10460	6137	47.27	104.89	1508
MT DEER LODGE	17438	1917	46.05	113.06	1039
MT FALLON	3803	4228	46.34	104.41	1461
MT FERGUS	14018	10986	47.26	109.22	1289
MT FLATHEAD	32123	13304	48.28	114.04	1266
MT GALLATIN	23661	6518	45.56	111.18	1043
MT GARFIELD	2091	11537	47.28	106.99	1395
MT GLACIER	10462	7676	48.69	112.99	1327
MT GOLDEN VALLE	1282	3045	46.38	109.18	1205
MT GRANITE	2877	4487	46.39	113.43	1068
MT HILL	16144	7580	48.62	110.11	1393

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
MT JEFFERSON	4133	4278	46.15	112.09	1074
MT JUDITH BASIN	3148	4868	47.03	110.26	1226
MT LAKE	13525	3869	47.64	114.07	1195
MT LEWIS AND CL	26013	9002	47.11	112.38	1169
MT LIBERTY	2373	3726	48.55	111.03	1357
MT LINCOLN	10327	9618	48.53	115.39	1283
MT MCCONE	3282	6751	47.65	105.79	1491
MT MADISON	5666	9137	45.30	111.92	991
MT MEAGHER	2300	6096	46.59	110.89	1159
MT MINERAL	2486	3164	47.14	115.00	1130
MT MISSOULA	39388	6764	47.03	113.92	1129
MT MUSSELSHELL	5188	4886	46.49	108.39	1252
MT PARK	12550	7497	45.51	110.52	1064
MT PETROLEUM	970	4285	47.12	108.25	1318
MT PHILLIPS	6200	13501	48.26	107.92	1442
MT PONDERA	6930	4260	48.22	112.22	1291
MT POWDER RIVER	2598	8515	45.40	105.61	1312
MT POWELL	6597	6049	46.85	112.93	1128
MT PRAIRIE	2347	4480	46.86	105.36	1447
MT RAVALLI	12779	6168	46.08	114.12	1023
MT RICHLAND	10426	5384	47.79	104.56	1571
MT ROOSEVELT	10497	6176	48.30	105.00	1590
MT ROSEBUD	6404	13045	46.23	106.71	1316
MT SANDERS	6942	7194	47.67	115.13	1188
MT SHERIDAN	6585	4386	48.72	104.50	1655
MT SILVER BOW	47589	1852	45.89	112.65	1032
MT STILLWATER	5466	4645	45.67	109.40	1127
MT SWEET GRASS	3478	4765	45.81	109.94	1117
MT TETON	7260	5940	47.83	112.22	1249
MT TOOLE	7310	5049	48.65	111.69	1350
MT TREASURE	1379	2550	46.21	107.26	1284
MT VALLEY	13790	12882	48.37	106.66	1511
MT WHEATLAND	3119	3677	46.46	109.85	1184
MT WIBAUX	1820	2305	46.96	104.24	1521
MT YELLOWSTONE	65710	6842	45.94	108.27	1207
NE ADAMS	28895	1455	40.52	98.51	1600
NE ANTELOPE	11012	2208	42.16	98.07	1691
NE ARTHUR	751	1822	41.57	101.69	1367
NE BANNER	1304	1911	41.55	103.71	1202
NE BLAINE	1123	1838	41.92	99.98	1523
NE BOONE	10045	1769	41.70	98.07	1674
NE BOX BUTTE	12026	2757	42.22	103.08	1285
NE BOYD	4739	1393	42.90	98.76	1664

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
NE BROWN	4855	3148	42.43	99.93	1548
NE BUFFALO	25600	2457	40.85	99.08	1561
NE BURT	10964	1251	41.84	96.33	1826
NE BUTLER	10958	1507	41.22	97.13	1739
NE CASS	16983	1437	40.90	96.14	1815
NE CEDAR	13641	1921	42.59	97.25	1776
NE CHASE	4812	2305	40.52	101.70	1328
NE CHERRY	8320	15451	42.54	101.12	1457
NE CHEYENNE	13248	3071	41.22	102.99	1246
NE CLAY	8706	1476	40.52	98.07	1639
NE COLFAX	9832	1051	41.57	97.09	1753
NE CUMING	12757	1479	41.90	96.79	1790
NE CUSTER	18048	6624	41.39	99.74	1524
NE DAKOTA	11152	660	42.38	96.56	1826
NE DAWES	9636	3589	42.72	103.13	1307
NE DAWSON	19402	2525	40.87	99.82	1498
NE DEUEL	3246	1128	41.11	102.33	1296
NE DIXON	8695	1230	42.48	96.86	1804
NE DODGE	28907	1368	41.57	96.65	1791
NE DOUGLAS	307573	868	41.28	96.14	1825
NE DUNDY	4021	2384	40.18	101.69	1318
NE FILLMORE	9532	1493	40.52	97.61	1678
NE FRANKLIN	6400	1497	40.17	98.95	1553
NE FRONTIER	4871	2491	40.53	100.39	1439
NE FURNAS	8673	1869	40.18	99.91	1471
NE GAGE	27529	2222	40.26	96.69	1752
NE GARDEN	3840	4346	41.62	102.33	1317
NE GARFIELD	2826	1473	41.91	98.99	1605
NE GOSPER	2631	1202	40.51	99.84	1487
NE GRANT	1037	1978	41.91	101.74	1378
NE GREELEY	5163	1476	41.56	98.53	1631
NE HALL	33708	1390	40.87	98.51	1610
NE HAMILTON	8749	1390	40.87	98.03	1651
NE HARLAN	6294	1439	40.17	99.40	1514
NE HAYES	2195	1841	40.53	101.06	1383
NE HITCHCOCK	5423	1843	40.18	101.04	1374
NE HOLT	14374	6228	42.45	98.79	1643
NE HOOKER	1090	1869	41.92	101.13	1428
NE HOWARD	6936	1461	41.22	98.53	1620
NE JEFFERSON	12774	1493	40.17	97.14	1710
NE JOHNSON	6836	975	40.38	96.28	1790
NE KEARNEY	6483	1325	40.50	98.96	1562
NE KEITH	7670	2672	41.20	101.67	1355

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
NE KEYA PAHA	1952	1988	42.88	99.72	1586
NE KIMBALL	5848	2467	41.20	103.71	1186
NE KNOX	14172	2867	42.63	97.89	1724
NE LANCASTER	134839	2188	40.77	96.69	1764
NE LINCOLN	27852	6531	41.05	100.75	1426
NE LOGAN	1253	1476	41.57	100.48	1468
NE LOUP	1242	1486	41.91	99.46	1566
NE MCPHERSON	790	2216	41.57	101.06	1420
NE MADISON	24681	1480	41.90	97.60	1721
NE MERRICK	8622	1242	41.16	98.05	1658
NE MORRILL	7751	3631	41.72	103.00	1267
NE NANCE	6141	1137	41.39	97.99	1671
NE NEMaha	10178	1036	40.39	95.85	1827
NE NUCKOLLS	9023	1500	40.17	98.06	1631
NE OTOE	16823	1603	40.64	96.14	1809
NE PAWNEE	6154	1120	40.13	96.24	1787
NE PERKINS	4547	2291	40.85	101.66	1343
NE PHELPS	9367	1408	40.51	99.42	1522
NE PIERCE	9117	1483	42.25	97.60	1734
NE PLATTE	21643	1728	41.56	97.53	1716
NE POLK	7693	1119	41.18	97.57	1700
NE RED WILLOW	12962	1776	40.18	100.47	1422
NE RICHARDSON	15620	1424	40.13	95.72	1833
NE ROCK	2824	2612	42.42	99.45	1587
NE SALINE	13405	1489	40.51	97.14	1718
NE SARPY	22318	619	41.10	96.11	1823
NE SAUNDERS	17070	1966	41.22	96.63	1781
NE SCOTTS BLUFF	33886	1880	41.85	103.70	1217
NE SEWARD	13339	1479	40.86	97.14	1728
NE SHERIDAN	9327	6376	42.51	102.40	1353
NE SHERMAN	5981	1469	41.22	98.98	1581
NE SIOUX	2888	5342	42.49	103.76	1245
NE STANTON	6133	1116	41.90	97.19	1755
NE THAYER	9951	1493	40.17	97.60	1671
NE THOMAS	1155	1853	41.92	100.55	1476
NE THURSTON	8017	1005	42.15	96.54	1819
NE VALLEY	6973	1473	41.56	98.99	1593
NE WASHINGTON	11762	999	41.52	96.22	1826
NE WAYNE	10059	1147	42.19	97.11	1772
NE WEBSTER	6899	1489	40.17	98.51	1592
NE WHEELER	1428	1491	41.91	98.53	1644
NE YORK	14084	1493	40.87	97.61	1688
NV CHURCHILL	7135	12646	39.58	118.35	355

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
NV CLARK1	2593	4079	36.59	114.49	142
NV CLARK2	74220	12236	36.16	115.17	119
NV CLARK3	4933	4079	35.46	114.92	196
NV DOUGLAS	2647	1821	38.90	119.61	384
NV ELKO	11811	44449	41.16	115.36	465
NV ESMERALDA1	267	5548	38.01	117.88	201
NV ESMERALDA2	347	3698	37.70	117.23	134
NV EUREKA	840	10830	39.96	116.24	329
NV HUMBOLDT	5209	25127	41.42	118.11	525
NV LANDER1	406	7278	40.60	116.85	407
NV LANDER2	1325	7278	39.49	117.08	293
NV LINCOLN1	2887	16550	37.60	114.52	147
NV LINCOLN2	355	11030	37.35	115.17	83
NV LYON	4728	5257	39.02	119.19	361
NV MINERAL	5885	9750	38.53	118.44	275
NV NYE1	816	14036	38.70	117.07	211
NV NYE2	2065	18714	38.05	117.23	160
NV NYE3	760	14036	36.20	115.99	89
NV PERSHING	3141	15542	40.46	118.41	440
NV STOREY	626	678	39.44	119.53	415
NV WASHOE	64879	16487	40.66	119.67	521
NV WHITE PINE1	8936	13559	39.24	114.90	267
NV WHITE PINE2	296	2259	38.85	115.01	224
NV WHITE PINE3	358	6779	39.01	114.13	278
NV CARSON CITY	5824	388	39.15	119.74	409
NH BELKNAP	27605	1036	43.52	71.42	4021
NH CARROLL	15849	2429	43.88	71.20	4048
NH CHESHIRE	40739	1852	42.92	72.25	3937
NH COOS	36442	4713	44.71	71.31	4057
NH GRAFTON	48321	4485	43.94	71.82	3996
NH HILLSBOROUGH	165985	2297	42.92	71.71	3984
NH MERRIMACK	65046	2408	43.30	71.68	3995
NH ROCKINGHAM	82375	1790	42.99	71.12	4037
NH STRAFFORD	55068	974	43.30	71.03	4051
NH SULLIVAN	27132	1396	43.36	72.22	3948
NJ ATLANTIC	144503	1473	39.48	74.68	3677
NJ BERGEN	641614	606	40.96	74.07	3746
NJ BURLINGTON	173558	2121	39.88	74.66	3682
NJ CAMDEN	339544	571	39.80	74.95	3656
NJ CAPE MAY	41983	692	39.15	74.81	3663
NJ CUMBERLAND	96357	1294	39.37	75.11	3638
NJ ESSEX	913427	336	40.79	74.25	3729
NJ GLOUCESTER	110048	851	39.72	75.14	3638

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
NJ HUDSON	631840	122	40.74	74.09	3742
NJ HUNTERDON	47570	1096	40.57	74.91	3667
NJ MERCER	245338	591	40.29	74.70	3683
NJ MIDDLESEX	336692	808	40.45	74.42	3710
NJ MONMOUTH	271681	1233	40.26	74.21	3726
NJ MORRIS	205703	1211	40.86	74.56	3702
NJ OCEAN	78560	1662	39.92	74.28	3716
NJ PASSAIC	366643	496	41.04	74.30	3727
NJ SALEM	53419	944	39.59	75.34	3619
NJ SOMERSET	118117	795	40.57	74.62	3693
NJ SUSSEX	40724	1365	41.14	74.70	3694
NJ UNION	443241	267	40.67	74.32	3721
NJ WARREN	58136	937	40.86	75.00	3663
NM BERNALILLO	195195	3027	35.05	106.68	855
NM CATRON	3212	17862	33.91	108.41	756
NM CHAVES	47845	15757	33.36	104.47	1101
NM COLFAX	15503	9748	36.60	104.65	1008
NM CURRY	27320	3634	34.58	103.35	1154
NM DE BACA	3264	6101	34.34	104.42	1070
NM DONA ANA	48225	9851	32.35	106.84	963
NM EDDY	44953	10792	32.47	104.30	1154
NM GRANT	20394	10281	32.74	108.39	825
NM GUADALUPE	6277	7764	34.86	104.79	1023
NM HARDING	2531	5526	35.85	103.81	1089
NM HIDALGO	5038	8927	31.93	108.73	857
NM LEA	40370	11377	32.78	103.41	1211
NM LINCOLN	7552	12581	33.75	105.49	1000
NM LOS ALAMOS	11565	280	35.85	106.32	868
NM LUNA	9212	7658	32.18	107.76	906
NM MCKINLEY	31598	14125	35.58	108.27	704
NM MORA	7579	5024	36.00	104.95	987
NM OTERO	24288	17191	32.60	105.75	1033
NM QUAY	13251	7445	35.10	103.54	1125
NM RIO ARRIBA	24658	15132	36.50	106.71	826
NM ROOSEVELT	16319	6355	34.02	103.48	1159
NM SANDOVAL	13190	9618	35.68	106.87	823
NM SAN JUAN	33173	14244	36.51	108.33	683
NM SAN MIGUEL	25222	12278	35.47	104.81	1007
NM SANTA FE	41052	4926	35.50	105.98	905
NM SIERRA	6854	10789	33.13	107.20	891
NM SOCORRO	9884	17101	34.01	106.93	871
NM TAOS	16634	5842	36.57	105.64	920
NM TORRANCE	7367	8665	34.63	105.85	939

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NM UNION	6819	9882	36.48	103.47	1113
NM VALENCIA	29536	14648	34.87	107.78	767
NY ALBANY	253645	1362	42.60	73.97	3781
NY ALLEGANY	43864	2712	42.26	78.03	3419
NY BRONX	1440030	105	40.87	73.86	3764
NY BROOME	196583	1849	42.16	75.82	3612
NY CATTARAUGUS	78878	3413	42.25	78.68	3362
NY CAYUGA	71753	1807	42.92	76.55	3562
NY CHAUTAUQUA	139521	2799	42.23	79.37	3302
NY CHEMUNG	91873	1075	42.14	76.76	3528
NY CHENANGO	40882	2339	42.50	75.61	3636
NY CLINTON	61742	2743	44.75	73.69	3852
NY COLUMBIA	44941	1670	42.25	73.64	3804
NY CORTLAND	38839	1300	42.60	76.07	3598
NY DELAWARE	44048	3736	42.20	74.97	3686
NY DUTCHESS	153453	2105	41.77	73.75	3786
NY ERIE	969556	2740	42.76	78.74	3368
NY ESSEX	35172	4721	44.12	73.78	3829
NY FRANKLIN	44792	4335	44.59	74.31	3795
NY FULTON	51140	1289	43.11	74.43	3751
NY GENESEE	50312	1297	43.00	78.20	3420
NY GREENE	29865	1690	42.28	74.13	3761
NY HAMILTON	4172	4493	43.66	74.50	3756
NY HERKIMER	63523	3717	43.41	74.97	3710
NY JEFFERSON	86505	3351	44.03	75.92	3642
NY KINGS	2691063	181	40.64	73.96	3753
NY LEWIS	22830	3344	43.78	75.45	3676
NY LIVINGSTON	41872	1652	42.72	77.78	3450
NY MADISON	49795	1711	42.92	75.67	3638
NY MONROE	529604	1748	43.14	77.70	3466
NY MONTGOMERY	58598	1057	42.90	74.46	3744
NY NASSAU	939411	748	40.75	73.58	3787
NY NEW YORK	1848830	60	40.77	73.97	3753
NY NIAGARA	212214	1377	43.20	78.74	3378
NY ONEIDA	240513	3168	43.24	75.45	3665
NY ONONDAGA	376277	2056	43.01	76.19	3595
NY ONTARIO	63531	1686	42.85	77.30	3495
NY ORANGE	165637	2156	41.40	74.31	3732
NY ORLEANS	31671	1026	43.25	78.24	3422
NY OSWEGO	80974	2496	43.43	76.15	3608
NY OTSEGO	51263	2623	42.63	75.04	3688
NY PUTNAM	25163	598	41.43	73.75	3781
NY QUEENS	1660811	280	40.69	73.81	3766

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NY RENSSELAER	136849	1721	42.71	73.51	3823
NY RICHMOND	204492	150	40.58	74.17	3733
NY ROCKLAND	109476	456	41.15	74.03	3753
NY ST LAWRENCE	104146	7168	44.50	75.07	3726
NY SARATOGA	80914	2118	43.11	73.87	3800
NY SCHENECTADY	146919	536	42.83	74.07	3777
NY SCHOHARIE	22663	1615	42.59	74.44	3740
NY SCHUYLER	14546	854	42.40	76.88	3523
NY SENECA	30411	854	42.77	76.83	3534
NY STEUBEN	94099	3651	42.27	77.39	3476
NY SUFFOLK	442158	2405	40.87	72.85	3853
NY SULLIVAN	42658	2537	41.72	74.78	3695
NY TIOGA	33413	1356	42.17	76.31	3569
NY TOMPKINS	62119	1248	42.46	76.47	3560
NY ULSTER	103752	2954	41.89	74.26	3743
NY WARREN	41242	2297	43.56	73.86	3810
NY WASHINGTON	47709	2164	43.32	73.44	3841
NY WAYNE	61856	1569	43.16	77.04	3525
NY WESTCHESTER	703626	1147	41.17	73.76	3777
NY WYOMING	33657	1548	42.70	78.23	3411
NY YATES	18037	888	42.63	77.12	3506
NC ALAMANCE	77369	1109	36.04	79.40	3249
NC ALEXANDER	15010	671	35.94	81.18	3092
NC ALLEGHANY	7979	582	36.50	81.14	3094
NC ANSON	26010	1379	34.98	80.10	3193
NC ASHE	20977	1103	36.44	81.51	3061
NC AVERY	12783	634	36.09	81.93	3025
NC BEAUFORT	36657	2139	35.50	76.87	3476
NC BERTIE	25557	1807	36.07	76.99	3464
NC BLADEN	29349	2287	34.62	78.55	3334
NC BRUNSWICK	19684	2216	34.08	78.24	3366
NC BUNCOMBE	126811	1701	35.62	82.54	2973
NC BURKE	48576	1323	35.76	81.71	3045
NC CABARRUS	65635	940	35.39	80.56	3150
NC CALDWELL	45992	1214	35.96	81.56	3059
NC CAMDEN	5384	619	36.40	76.22	3530
NC CARTERET	26404	1387	34.84	76.68	3497
NC CASWELL	20460	1109	36.39	79.32	3255
NC CATAWBA	66636	1020	35.67	81.21	3091
NC CHATHAM	25982	1835	35.70	79.24	3265
NC CHEROKEE	17461	1171	35.13	84.07	2841
NC CHOWAN	12197	447	36.15	76.60	3498
NC CLAY	5802	540	35.06	83.75	2870

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
NC CLEVELAND	65075	1211	35.34	81.56	3062
NC COLUMBUS	49922	2447	34.27	78.64	3329
NC CRAVEN	53051	1810	35.13	77.10	3458
NC CUMBERLAND	118286	1693	35.05	78.83	3305
NC CURRITUCK	6367	637	36.32	75.94	3556
NC DARE	5631	1013	35.76	75.85	3565
NC DAVIDSON	69576	1421	35.79	80.21	3179
NC DAVIE	15977	685	35.93	80.54	3149
NC DUPLIN	40732	2111	34.94	77.93	3386
NC DURHAM	106041	764	36.03	78.88	3295
NC EDGECOMBE	52739	1320	35.91	77.60	3410
NC FORSYTH	164530	1085	36.13	80.26	3173
NC FRANKLIN	30242	1272	36.08	78.28	3349
NC GASTON	117736	922	35.31	81.18	3096
NC GATES	9423	872	36.44	76.70	3488
NC GRAHAM	6695	755	35.35	83.84	2860
NC GRANVILLE	32355	1390	36.30	78.65	3315
NC GREENE	17475	692	35.48	77.68	3404
NC GUILFORD	214630	1696	36.07	79.79	3215
NC HALIFAX	58623	1901	36.25	77.64	3405
NC HARNETT	47871	1562	35.37	78.87	3300
NC HAYWOOD	38518	1427	35.56	82.99	2934
NC HENDERSON	33149	979	35.34	82.49	2979
NC HERTFORD	21988	913	36.36	76.99	3462
NC HOKE	16015	1007	34.99	79.24	3270
NC HYDE	6180	1587	35.54	76.24	3532
NC IREDELL	58947	1480	35.81	80.87	3120
NC JACKSON	18637	1272	35.28	83.14	2922
NC JOHNSTON	64643	2063	35.52	78.37	3343
NC JONES	11008	1210	35.03	77.38	3434
NC LEE	24819	663	35.47	79.18	3272
NC LENOIR	49915	1036	35.26	77.65	3409
NC LINCOLN	28039	768	35.50	81.25	3088
NC McDOWELL	26156	1128	35.68	82.06	3015
NC MACON	15646	1328	35.15	83.42	2898
NC MADISON	19116	1165	35.86	82.71	2957
NC MARTIN	27599	1178	35.84	77.10	3454
NC MECKLENBURG	228952	1372	35.25	80.84	3126
NC MITCHELL	14615	557	36.01	82.17	3004
NC MONTGOMERY	17749	1264	35.34	79.90	3209
NC MOORE	34663	1822	35.30	79.45	3249
NC NASH	60382	1408	35.96	77.98	3376
NC NEW HANOVER	66873	478	34.24	77.89	3396

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
NC NORTHAMPTON	27743	1387	36.42	77.40	3426
NC ONSLOW	59332	1980	34.74	77.43	3431
NC ORANGE	38060	1036	36.06	79.13	3274
NC PAMLICO	9933	875	35.15	76.73	3491
NC PASQUOTANK	24894	591	36.30	76.29	3525
NC PENDER	18460	2256	34.53	77.91	3391
NC PERQUIMANS	9420	637	36.21	76.44	3512
NC PERSON	25231	1038	36.38	78.97	3287
NC PITT	66405	1696	35.60	77.38	3431
NC POLK	11531	619	35.29	82.18	3007
NC RANDOLPH	55349	2066	35.71	79.80	3216
NC RICHMOND	39428	1230	35.00	79.74	3226
NC ROBESON	88337	2457	34.63	79.08	3286
NC ROCKINGHAM	66867	1473	36.40	79.77	3216
NC ROWAN	78560	1355	35.64	80.53	3151
NC RUTHERFORD	45816	1458	35.41	81.93	3029
NC SAMPSON	49029	2447	34.99	78.37	3347
NC SCOTLAND	25848	826	34.83	79.46	3251
NC STANLY	38717	1030	35.31	80.26	3177
NC STOKES	21861	1183	36.40	80.24	3174
NC SURRY	46705	1387	36.42	80.69	3134
NC SWAIN	9266	1356	35.49	83.50	2889
NC TRANSYLVANIA	15698	989	35.20	82.80	2952
NC TYRRELL	4826	1010	35.81	76.21	3533
NC UNION	43158	1655	34.99	80.54	3155
NC VANCE	32060	644	36.36	78.40	3337
NC WAKE	150322	2222	35.79	78.65	3317
NC WARREN	21890	1097	36.39	78.10	3364
NC WASHINGTON	13311	888	35.82	76.58	3501
NC WATAUGA	17998	820	36.23	81.70	3045
NC WAYNE	71829	1442	35.37	78.01	3376
NC WILKES	45256	1960	36.22	81.18	3091
NC WILSON	55872	971	35.70	77.92	3382
NC YADKIN	22423	869	36.16	80.66	3137
NC YANCEY	15330	808	35.90	82.31	2992
ND ADAMS	4715	2561	46.10	102.52	1566
ND BARNES	16810	3831	46.93	98.07	1937
ND BENSON	10148	3634	48.07	99.37	1921
ND BILLINGS	1663	2950	47.03	103.37	1580
ND BOTTINEAU	11792	4342	48.79	100.83	1879
ND BOWMAN	4064	3030	46.11	103.51	1501
ND BURKE	6309	2897	48.79	102.51	1775
ND BURLEIGH	29218	4208	46.98	100.46	1769

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
ND CASS	62309	4529	46.93	97.24	1997
ND CAVALIER	11087	3915	48.77	98.45	2034
ND DICKEY	8707	2959	46.11	98.50	1854
ND DIVIDE	5793	3366	48.82	103.49	1720
ND DUNN	6849	5158	47.35	102.61	1654
ND EDDY	5188	1645	47.72	98.90	1929
ND EMMONS	9184	3892	46.28	100.23	1739
ND FOSTER	5351	1670	47.46	98.88	1912
ND GOLDEN VALLE	3333	2626	46.94	103.85	1544
ND GRAND FORKS	43368	3724	47.92	97.45	2045
ND GRANT	6744	4314	46.36	101.64	1645
ND GRIGGS	5275	1838	47.46	98.23	1959
ND HETTINGER	6767	2937	46.43	102.45	1595
ND KIDDER	5838	3517	46.98	99.78	1817
ND LA MOURE	9160	2941	46.46	98.53	1873
ND LOGAN	5936	2592	46.46	99.47	1804
ND MCHENRY	11933	4866	48.24	100.63	1849
ND MCINTOSH	7212	2568	46.11	99.43	1785
ND MCKENZIE	7038	7083	47.74	103.39	1636
ND MCLEAN	16785	5347	47.61	101.31	1757
ND MERCER	7891	2698	47.31	101.83	1701
ND MORTON	20016	4972	46.72	101.28	1695
ND MOUNTRAIL	9699	4710	48.20	102.35	1737
ND NELSON	7643	2577	47.92	98.19	1993
ND OLIVER	2889	1866	47.12	101.33	1720
ND PEMBINA	13547	2910	48.77	97.54	2096
ND PIERCE	7932	2688	48.25	99.97	1894
ND RAMSEY	13978	3231	48.27	98.72	1979
ND RANSOM	8539	2229	46.45	97.65	1938
ND RENVILLE	5106	2294	48.72	101.66	1821
ND RICHLAND	19423	3752	46.27	96.94	1980
ND ROLETTE	10906	2364	48.78	99.84	1941
ND SARGENT	7296	2208	46.11	97.62	1919
ND SHERIDAN	4867	2561	47.58	100.34	1820
ND SIOUX	3683	2857	46.11	101.03	1670
ND SLOPE	2137	3172	46.45	103.45	1530
ND STARK	17122	3407	46.81	102.65	1609
ND STEELE	4963	1838	47.45	97.71	1995
ND STUTSMAN	24575	5863	46.98	98.96	1875
ND TOWNER	6045	2700	48.69	99.25	1974
ND TRAILL	11027	2229	47.45	97.15	2036
ND WALSH	18493	3330	48.37	97.72	2056
ND WARD	40005	5293	48.22	101.54	1789

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
ND WELLS	9915	3363	47.59	99.66	1867
ND WILLIAMS	18823	5345	48.34	103.48	1680
OH ADAMS	20282	1520	38.86	83.46	2895
OH ALLEN	94777	1061	40.78	84.11	2861
OH ASHLAND	35474	1097	40.86	82.27	3024
OH ASHTABULA	84806	1812	41.71	80.76	3171
OH ATHENS	46332	1304	39.35	82.04	3025
OH AUGLAIZE	32976	1036	40.56	84.22	2847
OH BELMONT	86091	1383	40.03	80.99	3125
OH BROWN	23479	1269	38.94	83.87	2860
OH BUTLER	169255	1220	39.45	84.58	2802
OH CARROLL	19815	1010	40.60	81.08	3124
OH CHAMPAIGN	28032	1119	40.15	83.77	2881
OH CLARK	120066	1041	39.92	83.79	2877
OH CLERMONT	58480	1186	39.06	84.15	2835
OH CLINTON	27455	1061	39.42	83.81	2869
OH COLUMBIANA	102354	1383	40.78	80.77	3154
OH COSHOCTON	31602	1455	40.32	81.92	3047
OH CRAWFORD	42155	1045	40.86	82.92	2967
OH CUYAHOGA	1499339	1180	41.44	81.65	3087
OH DARKE	43422	1566	40.14	84.63	2806
OH DEFIANCE	28295	1066	41.33	84.50	2837
OH DELAWARE	32753	1165	40.29	82.99	2952
OH ERIE	59130	684	41.38	82.63	3001
OH FAIRFIELD	57137	1307	39.76	82.62	2978
OH FAYETTE	23501	1045	39.56	83.45	2902
OH FRANKLIN	579723	1393	39.98	83.00	2947
OH FULTON	27165	1054	41.61	84.13	2874
OH GALLIA	25425	1220	38.84	82.32	2996
OH GEAUGA	35540	1054	41.52	81.18	3130
OH GREENE	74085	1075	39.70	83.89	2865
OH GUERNSEY	38506	1368	40.07	81.49	3081
OH HAMILTON	783525	1072	39.20	84.55	2802
OH HANCOCK	48279	1377	41.01	83.67	2903
OH HARDIN	29081	1210	40.67	83.66	2899
OH HARRISON	18608	1038	40.31	81.08	3120
OH HENRY	23680	1076	41.34	84.07	2874
OH HIGHLAND	28838	1421	39.19	83.61	2885
OH HOCKING	19794	1089	39.51	82.47	2988
OH HOLMES	19961	1097	40.58	81.93	3050
OH HURON	42742	1286	41.16	82.60	3000
OH JACKSON	28448	1085	39.03	82.61	2971
OH JEFFERSON	97645	1064	40.40	80.76	3150

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OH KNOX	36786	1375	40.42	82.42	3004
OH LAKE	106890	598	41.71	81.24	3129
OH LAWRENCE	51799	1180	38.62	82.54	2975
OH LICKING	78976	1776	40.10	82.48	2994
OH LOGAN	32804	1190	40.40	83.76	2885
OH LORAIN	177629	1282	41.30	82.15	3041
OH LUCAS	421637	888	41.63	83.66	2916
OH MADISON	24067	1199	39.90	83.40	2911
OH MAHONING	275841	1075	41.03	80.77	3158
OH MARION	54320	1048	40.60	83.16	2941
OH MEDINA	51004	1100	41.13	81.89	3061
OH MEIGS	22771	1128	39.10	82.03	3024
OH MERCER	30118	1150	40.54	84.64	2811
OH MIAMI	66236	1054	40.06	84.23	2840
OH MONROE	15324	1180	39.74	81.08	3114
OH MONTGOMERY	453116	1189	39.76	84.30	2830
OH MORGAN	12799	1088	39.63	81.85	3044
OH MORROW	18121	1044	40.54	82.79	2973
OH MUSKINGUM	76503	1686	39.98	81.95	3040
OH NOBLE	11426	1030	39.78	81.45	3081
OH OTTAWA	31960	675	41.55	83.14	2959
OH PAULDING	15790	1079	41.12	84.58	2825
OH PERRY	28518	1061	39.75	82.24	3012
OH PICKAWAY	32120	1304	39.65	83.02	2942
OH PIKE	16635	1147	39.09	83.06	2932
OH PORTAGE	75790	1282	41.18	81.20	3123
OH PREBLE	29384	1106	39.75	84.65	2798
OH PUTNAM	26557	1258	41.03	84.14	2863
OH RICHLAND	102551	1285	40.79	82.54	2999
OH ROSS	57312	1779	39.35	83.05	2936
OH SANDUSKY	50523	1058	41.37	83.15	2955
OH SCIOTO	83468	1575	38.82	82.98	2937
OH SENECA	55674	1427	41.13	83.13	2953
OH SHELBY	30655	1057	40.34	84.21	2846
OH STARK	307483	1491	40.83	81.36	3103
OH SUMMIT	454038	1057	41.14	81.53	3093
OH TRUMBULL	180002	1575	41.32	80.76	3164
OH TUSCARAWAS	73068	1473	40.46	81.47	3088
OH UNION	21611	1124	40.31	83.37	2919
OH VAN WERT	27766	1058	40.86	84.59	2820
OH VINTON	10553	1064	39.26	82.48	2985
OH WARREN	50068	1057	39.43	84.17	2838
OH WASHINGTON	47500	1659	39.47	81.49	3075

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OH WAYNE	65848	1452	40.85	81.89	3057
OH WILLIAMS	27800	1089	41.57	84.58	2834
OH WOOD	65127	1603	41.37	83.63	2913
OH WYANDOT	20578	1051	40.85	83.30	2933
OK ADAIR	14152	1476	35.91	94.66	1897
OK ALFALFA	9744	2247	36.73	98.32	1569
OK ATOKA	12599	2567	34.38	96.04	1795
OK BEAVER	7223	4636	36.74	100.47	1378
OK BECKHAM	19988	2349	35.27	99.69	1460
OK BLAINE	13790	2374	35.87	98.43	1565
OK BRYAN	26978	2302	33.97	96.25	1784
OK CADDO	32240	3293	35.18	98.37	1577
OK CANADIAN	25257	2322	35.54	97.97	1608
OK CARTER	37559	2149	34.25	97.27	1690
OK CHEROKEE	18470	1957	35.94	95.01	1866
OK CHOCTAW	18382	2015	34.05	95.55	1844
OK CIMARRON	4555	4772	36.74	102.51	1197
OK CLEVELAND	44057	1365	35.20	97.33	1669
OK COAL	6993	1362	34.60	96.29	1770
OK COMANCHE	70308	2807	34.67	98.47	1577
OK COTTON	9267	1686	34.29	98.37	1593
OK CRAIG	17433	1978	36.78	95.22	1844
OK CREEK	42019	2423	35.90	96.36	1747
OK CUSTER	21068	2537	35.64	99.00	1517
OK DELAWARE	14079	1831	36.43	94.81	1881
OK DEWEY	7626	2636	35.99	99.00	1512
OK ELLIS	6531	3216	36.21	99.75	1444
OK GARFIELD	52888	2729	36.37	97.78	1618
OK GARVIN	28984	2108	34.71	97.30	1679
OK GRADY	32628	2838	35.02	97.88	1623
OK GRANT	9479	2608	36.79	97.79	1617
OK GREER	10530	1638	34.94	99.56	1477
OK HARMON	7132	1411	34.75	99.85	1455
OK HARPER	5963	2695	36.78	99.67	1449
OK HASKELL	11531	1559	35.26	95.12	1863
OK HUGHES	18320	2090	35.05	96.24	1767
OK JACKSON	24186	2097	34.59	99.42	1496
OK JEFFERSON	9878	2019	34.11	97.82	1645
OK JOHNSTON	9716	1652	34.32	96.65	1743
OK KAY	49807	2460	36.82	97.15	1673
OK KINGFISHER	11916	2340	35.94	97.94	1607
OK KIOWA	17183	2660	34.92	98.97	1529
OK LATIMER	8860	1908	34.91	95.26	1855

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OK LE FLORE	32652	4039	34.93	94.71	1903
OK LINCOLN	20692	2519	35.69	96.88	1703
OK LOGAN	20677	1945	35.91	97.44	1652
OK LOVE	6929	1328	33.95	97.23	1699
OK MCCLAIN	13859	1483	35.00	97.43	1663
OK MCCURTAIN	29153	4661	34.15	94.78	1909
OK MCINTOSH	15512	1575	35.40	95.66	1813
OK MAJOR	9225	2494	36.31	98.53	1552
OK MARSHALL	7791	947	34.03	96.75	1739
OK MAYES	19884	1677	36.33	95.24	1844
OK MURRAY	10710	1096	34.49	97.06	1704
OK MUSKOGEE	63999	2118	35.64	95.39	1836
OK NOBLE	11401	1924	36.39	97.23	1667
OK NOWATA	11928	1390	36.82	95.63	1808
OK OKFUSKEE	14721	1649	35.47	96.31	1756
OK OKLAHOMA	373868	1812	35.54	97.40	1658
OK OKMULGEET	41326	1812	35.66	95.96	1784
OK OSAGE	32805	5883	36.63	96.40	1739
OK OTTAWA	30552	1202	36.85	94.82	1880
OK PAWNEE	12451	1452	36.32	96.70	1714
OK PAYNE	45496	1797	36.07	96.97	1691
OK PITTSBURG	38196	3213	34.95	95.75	1812
OK PONTOTOC	29692	1849	34.73	96.68	1733
OK POTAWATOMIE	42651	2056	35.20	96.94	1703
OK PUSHMATAHA	10760	3677	34.45	95.39	1851
OK ROGER MILLS	6417	2952	35.68	99.70	1454
OK ROGERS	19991	1773	36.40	95.61	1810
OK SEMINOLE	35314	1631	35.17	96.60	1733
OK SEQUOYAH	19024	1803	35.52	94.76	1892
OK STEPHENS	35737	2308	34.49	97.85	1635
OK TEXAS	14203	5340	36.74	101.48	1289
OK TILLMAN	16343	2333	34.38	98.92	1543
OK TULSA	291784	1483	36.13	95.94	1782
OK WAGONER	16289	1458	35.99	95.54	1819
OK WASHINGTON	36905	1097	36.73	95.91	1783
OK WASHITA	17852	2612	35.29	98.99	1521
OK WOODS	13424	3361	36.77	98.87	1520
OK WOODWARD	14180	3239	36.42	99.26	1487
OR BAKER	16646	7945	44.72	117.67	870
OR BENTON	34797	1729	44.49	123.42	1061
OR CLACKAMAS	97903	4879	45.18	122.21	1063
OR CLATSOP	29336	2084	45.98	123.64	1206
OR COLUMBIA	22721	1655	45.93	123.09	1175

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
OR COOS	47660	4153	43.16	124.04	989
OR CROOK	9178	7704	44.14	120.35	882
OR CURRY	9419	4213	42.46	124.14	943
OR DESCHUTES	22361	7849	43.91	121.22	897
OR DOUGLAS	60460	13112	43.27	123.16	943
OR GILLIAM	2921	3128	45.38	120.22	1003
OR GRANT	8072	11732	44.49	119.00	874
OR HARNEY	6385	26329	43.06	118.97	723
OR HOOD RIVER	13017	1355	45.51	121.64	1070
OR JACKSON	65079	7282	42.43	122.73	849
OR JEFFERSON	6211	4643	44.63	121.17	964
OR JOSEPHINE	27978	4208	42.37	123.56	898
OR KLAMATH	44411	15461	42.69	121.65	807
OR LAKE	6865	21317	42.80	120.38	752
OR LANE	141552	11789	43.93	122.84	981
OR LINCOLN	22725	2553	44.49	122.53	1014
OR LINN	56255	5912	44.63	123.84	1097
OR MALHEUR	23030	25534	43.19	117.63	703
OR MARION	109683	3019	44.90	122.58	1054
OR MORROW	4824	5334	45.42	119.58	988
OR MULTNOMAH	493327	1096	45.53	122.39	1105
OR POLK	26406	1905	44.90	123.40	1096
OR SHERMAN	2345	2149	45.39	120.69	1021
OR TILLAMOOK	18754	2888	45.45	123.68	1160
OR UMATILLA	42830	8357	45.59	118.74	985
OR UNION	18053	5262	45.32	118.00	941
OR WALLA W	7196	8230	45.59	117.17	960
OR WASCO	17530	6166	45.15	121.16	1015
OR WASHINGTON	74432	1853	45.55	123.08	1139
OR WHEELER	3061	4420	44.72	120.02	929
OR YAMHILL	33054	1841	45.22	123.29	1120
PA ADAMS	47470	1362	39.88	77.22	3456
PA ALLEGHENY	1563413	1886	40.47	79.98	3219
PA ARMSTRONG	80283	1689	40.82	79.46	3270
PA BEAVER	188693	1140	40.68	80.35	3190
PA BEDFORD	41483	2636	40.01	78.49	3345
PA BERKS	264102	2232	40.42	75.93	3576
PA BLAIR	138554	1372	40.48	78.35	3363
PA BRADFORD	53083	2972	41.79	76.53	3543
PA BUCKS	214294	1590	40.35	75.11	3648
PA BUTLER	104684	2056	40.91	79.92	3231
PA CAMBRIA	206887	1791	40.50	78.71	3332
PA CAMERON	7260	1038	41.43	78.21	3390

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
PA CARBON	55573	1045	40.92	75.71	3602
PA CENTRE	71301	2888	40.92	77.83	3415
PA CHESTER	181018	1970	39.98	75.74	3588
PA CLARION	37950	1545	41.19	79.42	3279
PA CLEARFIELD	84077	2950	41.00	78.48	3359
PA CLINTON	36991	2327	41.23	77.64	3436
PA COLUMBIA	53470	1254	41.04	76.40	3542
PA CRAWFORD	78524	2620	41.68	80.11	3227
PA CUMBERLAND	107359	1437	40.17	77.27	3455
PA DAUPHIN	207334	1341	40.41	76.78	3501
PA DELAWARE	473280	477	39.92	75.40	3617
PA ELK	35702	2090	41.42	78.65	3351
PA ERIE	232690	2105	41.99	80.03	3239
PA FAYETTE	181164	2077	39.92	79.65	3242
PA FOREST	4752	1085	41.50	79.23	3301
PA FRANKLIN	81130	1952	39.93	77.72	3412
PA FULTON	10476	1127	39.93	78.11	3378
PA GREENE	42859	1497	39.85	80.22	3191
PA HUNTINGDON	40273	2318	40.42	77.97	3396
PA INDIANA	76368	2136	40.65	79.08	3301
PA JEFFERSON	48147	1689	41.13	79.00	3315
PA JUNIATA	15512	999	40.52	77.41	3447
PA LACKAWANNA	247685	1175	41.44	75.62	3617
PA LANCASTER	253269	2450	40.05	76.25	3544
PA LAWRENCE	108455	951	40.99	80.33	3196
PA LEBANON	85580	940	40.37	76.46	3528
PA LEHIGH	210674	900	40.62	75.59	3608
PA LUZERNE	373001	2294	41.18	75.99	3581
PA LYCOMING	104701	3148	41.33	77.07	3488
PA MCKEAN	55721	2568	41.81	78.57	3364
PA MERCER	118571	1735	41.30	80.26	3207
PA MIFFLIN	43970	1116	40.61	77.61	3430
PA MONROE	36232	1582	41.06	75.34	3636
PA MONTGOMERY	422606	1285	40.22	75.36	3624
PA MONTOUR	16309	336	41.02	76.66	3519
PA NORTHAMPTON	192122	974	40.76	75.31	3635
PA NORTHUMBERLA	111600	1172	40.84	76.71	3513
PA PERRY	25549	1427	40.40	77.25	3459
PA PHILADELPHIA	2042244	333	39.99	75.12	3643
PA PIKE	8738	1403	41.33	75.05	3666
PA POTTER	16672	2827	41.74	77.90	3422
PA SCHUYLKILL	188868	2031	40.71	76.21	3554
PA SNYDER	24189	847	40.77	77.07	3480

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
PA SOMERSET	79966	2792	39.98	79.03	3298
PA SULLIVAN	6531	1238	41.44	76.53	3537
PA SUSQUEHANNA	32467	2156	41.82	75.81	3607
PA TIOGA	35958	2968	41.76	77.26	3478
PA UNION	24209	823	40.96	77.07	3483
PA VENANGO	65314	1756	41.39	79.76	3253
PA WARREN	43924	2343	41.81	79.28	3302
PA WASHINGTON	212879	2219	40.19	80.25	3192
PA WAYNE	28375	1918	41.65	75.31	3647
PA WESTMORELAND	329946	2651	40.31	79.46	3263
PA WYOMING	16783	1030	41.52	76.03	3582
PA YORK	217865	2353	39.93	76.73	3500
RI BRISTOL	32505	64	41.71	71.26	4005
RI KENT	92579	447	41.68	71.58	3976
RI NEWPORT	70188	298	41.57	71.23	4005
RI PROVIDENCE	572343	1076	41.88	71.58	3979
RI WASHINGTON	53009	830	41.49	71.63	3969
SC ABBEVILLE	22016	1310	34.23	82.46	2992
SC AIKEN	64999	2814	33.55	81.65	3072
SC ALLENDALE	11598	1082	32.99	81.36	3106
SC ANDERSON	93983	1939	34.52	82.65	2973
SC BAMBERG	16997	1023	33.22	81.05	3130
SC BARNWELL	17433	1431	33.27	81.44	3095
SC BEAUFORT	34305	1500	32.37	80.78	3167
SC BERKELEY	33627	2874	33.20	79.95	3227
SC CALHOUN	13694	975	33.69	80.78	3147
SC CHARLESTON	186752	2432	32.84	79.97	3230
SC CHEROKEE	35082	1020	35.06	81.63	3058
SC CHESTER	31875	1513	34.69	81.16	3102
SC CHESTERFIELD	35164	2046	34.64	80.14	3193
SC CLARENDON	31061	1551	33.67	80.20	3198
SC COLLETON	28062	2716	32.87	80.67	3168
SC DARLINGTON	51252	1406	34.33	79.95	3213
SC DILLON	30786	1054	34.39	79.37	3264
SC DORCHESTER	23362	1473	33.08	80.40	3189
SC EDGEFIELD	16225	1248	33.78	81.98	3040
SC FAIRFIELD	21330	1803	34.40	81.12	3109
SC FLORENCE	81719	2084	34.03	79.69	3239
SC GEORGETOWN	33050	2102	33.44	79.33	3278
SC GREENVILLE	185842	2050	34.90	82.37	2993
SC GREENWOOD	42784	1155	34.16	82.12	3023
SC HAMPTON	17772	1455	32.78	81.14	3128
SC Horry	63408	2988	33.92	78.99	3302

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
SC JASPER	11524	1689	32.47	81.04	3143
SC KERSHAW	32838	2022	34.36	80.58	3156
SC LANCASTER	38039	1300	34.71	80.71	3142
SC LAURENS	47246	1841	34.49	82.01	3029
SC LEE	22606	1058	34.17	80.25	3188
SC LEXINGTON	51270	1856	33.91	81.28	3100
SC MCCORMICK	9175	931	33.91	82.32	3008
SC MARION	32642	1261	34.09	79.35	3268
SC MARLBORO	30393	1251	34.60	79.67	3235
SC NEWBERRY	30773	1645	34.29	81.60	3067
SC OCONEE	39539	1693	34.75	83.08	2932
SC ORANGEBURG	68654	2864	33.45	80.80	3148
SC PICKENS	42601	1273	34.90	82.74	2961
SC RICHLAND	167017	1936	34.03	80.90	3132
SC SALUDA	15343	1186	34.01	81.73	3059
SC SPARTANBURG	153108	2152	34.94	81.99	3026
SC SUMTER	64986	1739	33.91	80.38	3180
SC UNION	30775	1331	34.69	81.62	3062
SC WILLIAMSBURG	42582	2422	33.63	79.72	3241
SC YORK	74640	1772	34.98	81.19	3097
SD AURORA	4906	1835	43.72	98.56	1718
SD BEADLE	21341	3261	44.41	98.27	1776
SD BENNETT	3249	3058	43.19	101.67	1446
SD BON HOMME	9349	1449	42.98	97.88	1740
SD BROOKINGS	18784	2071	44.37	96.78	1892
SD BROWN	33249	4335	45.59	98.35	1834
SD BRULE	6181	2118	43.71	99.09	1676
SD BUFFALO	1588	1248	44.07	99.21	1684
SD BUTTE	8347	5826	44.90	103.51	1414
SD CAMPBELL	3828	1895	45.77	100.05	1719
SD CHARLES MIX	13952	2840	43.20	98.59	1692
SD CLARK	7843	2496	44.85	97.73	1841
SD CLAY	10913	1048	42.90	96.98	1811
SD CODINGTON	19488	1779	44.98	97.19	1890
SD CORSON	6013	6396	45.70	101.19	1631
SD CUSTER	5256	4032	43.67	103.45	1338
SD DAVISON	16589	1119	43.67	98.13	1751
SD DAY	11537	2667	45.37	97.61	1878
SD DEUEL	7302	1655	44.76	96.66	1921
SD DEWEY	5093	6088	45.15	100.87	1620
SD DOUGLAS	5417	1127	43.38	98.37	1718
SD EDMUNDS	6765	2988	45.41	99.21	1759
SD FALL RIVER	10548	4513	43.24	103.54	1305

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SD FAULK	4599	2579	45.06	99.14	1744
SD GRANT	10097	1763	45.17	96.75	1934
SD GREGORY	8061	2581	43.19	99.20	1642
SD HAAKON	3224	4702	44.29	101.54	1517
SD HAMLIN	6738	1323	44.67	97.18	1875
SD HAND	6964	3708	44.54	99.00	1725
SD HANSON	4766	1113	43.67	97.77	1780
SD HARDING	2320	6945	45.58	103.49	1463
SD HUGHES	10078	1936	44.38	100.00	1640
SD HUTCHINSON	11280	2111	43.33	97.75	1766
SD HYDE	2724	2235	44.54	99.49	1688
SD JACKSON	1596	2092	43.86	101.60	1488
SD JERAULD	4293	1365	44.06	98.63	1730
SD JONES	2194	2519	43.95	100.69	1563
SD KINGSBURY	9653	2118	44.37	97.48	1836
SD LAKE	11782	1469	44.03	97.11	1849
SD LAWRENCE	16828	2071	44.35	103.78	1358
SD LINCOLN	12599	1491	43.27	96.71	1848
SD LYMA	4514	4358	43.89	99.85	1625
SD MCCOOK	8587	1489	43.67	97.35	1813
SD MCPHERSON	6541	2971	45.76	99.22	1779
SD MARSHALL	7338	2195	45.76	97.60	1901
SD MEADE	11737	8973	44.56	102.71	1448
SD MELLETTE	2881	3382	43.58	100.76	1537
SD MINER	5900	1476	44.03	97.60	1810
SD MINNEHAHA	77568	2105	43.67	96.77	1861
SD MOODY	9066	1355	44.03	96.65	1887
SD PENNINGTON	44316	7197	44.00	102.83	1404
SD PERKINS	6432	7406	45.48	102.47	1526
SD POTTER	4787	2250	45.06	99.96	1682
SD ROBERTS	14188	2869	45.63	96.93	1944
SD SANBORN	4931	1476	44.02	98.09	1771
SD SHANNON	5812	5438	43.33	102.56	1385
SD SPINK	11994	3897	44.94	98.34	1798
SD STANLEY	2921	3662	44.40	100.74	1585
SD SULLY	2669	2599	44.71	100.14	1648
SD TODD	4720	3594	43.19	100.72	1520
SD TRIPP	8979	4195	43.34	99.89	1594
SD TURNER	11698	1584	43.31	97.14	1814
SD UNION	10539	1171	42.83	96.65	1835
SD WALWORTH	7841	1859	45.42	100.03	1698
SD WASHABAUGH	1599	2747	43.56	101.66	1466
SD YANKTON	17123	1344	43.00	97.39	1781

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SD ZIEBACH	2555	5130	44.97	101.67	1550
TN ANDERSON	59673	868	36.12	84.19	2825
TN BEDFORD	23423	1248	35.53	86.46	2627
TN BENTON	11139	1014	36.08	88.07	2480
TN BLEDSOE	8245	1045	35.60	85.21	2737
TN BLOUNT	55897	1489	35.69	83.92	2850
TN BRADLEY	34878	865	35.15	84.86	2771
TN CAMPBELL	31635	1168	36.40	84.14	2828
TN CANNON	8899	702	35.81	86.05	2661
TN CARROLL	25249	1544	35.97	88.45	2447
TN CARTER	42073	900	36.29	82.13	3007
TN CHEATHAM	9281	789	36.26	87.09	2566
TN CHESTER	10482	737	35.42	88.62	2436
TN CLAIBORNE	22357	1150	36.48	83.67	2869
TN CLAY	8102	602	36.55	85.53	2704
TN COCKE	23160	1097	35.93	83.11	2921
TN COFFEE	25413	1124	35.49	86.06	2662
TN CROCKETT	15763	696	35.82	89.14	2387
TN CUMBERLAND	18985	1756	35.95	85.01	2753
TN DAVIDSON	354905	1316	36.17	86.78	2595
TN DECATUR	8968	872	35.62	88.11	2479
TN DE KALB	11295	720	35.99	85.84	2679
TN DICKSON	18818	1255	36.15	87.36	2543
TN DYER	31799	1369	36.05	89.41	2362
TN FAYETTE	26281	1822	35.20	89.42	2367
TN FENTRESS	14225	1289	36.38	84.93	2758
TN FRANKLIN	25469	1431	35.15	86.08	2663
TN GIBSON	46671	1572	35.99	88.93	2404
TN GILES	25027	1603	35.21	87.03	2579
TN GRAINGER	12844	730	36.28	83.50	2885
TN GREENE	41520	1587	36.18	82.85	2943
TN GRUNDY	12115	927	35.38	85.72	2693
TN HAMBLEN	27851	401	36.22	83.24	2908
TN HAMILTON	220852	1424	35.18	85.17	2743
TN HANCOCK	8542	595	36.52	83.21	2910
TN HARDEMAN	22550	1698	35.21	89.00	2405
TN HARDIN	17121	1520	35.20	88.19	2476
TN HAWKINS	30485	1242	36.44	82.93	2935
TN HAYWOOD	25014	1344	35.59	89.27	2377
TN HENDERSON	16724	1334	35.65	88.39	2455
TN HENRY	23167	1469	36.33	88.31	2459
TN HICKMAN	12720	1579	35.81	87.48	2534
TN HOUSTON	5095	520	36.28	87.74	2509

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TN HUMPHREYS	11231	1372	36.03	87.78	2506
TN JACKSON	11025	837	36.37	85.67	2692
TN JEFFERSON	20446	709	36.06	83.43	2892
TN JOHNSON	11639	758	36.46	81.85	3031
TN KNOX	234700	1316	35.99	83.94	2847
TN LAKE	10773	433	36.36	89.50	2353
TN LAUDERDALE	23685	1234	35.76	89.62	2345
TN LAWRENCE	28490	1642	35.22	87.39	2546
TN LEWIS	6159	737	35.53	87.49	2535
TN LINCOLN	24861	1501	35.15	86.58	2619
TN LOUDON	23426	613	35.74	84.31	2815
TN MCMINN	32721	1119	35.43	84.61	2791
TN MCNAIRY	19415	1473	35.18	88.57	2442
TN MACON	13006	786	36.53	86.03	2660
TN MADISON	60352	1449	35.61	88.83	2416
TN MARION	20742	1310	35.13	85.62	2704
TN MARSHALL	17382	975	35.48	86.76	2600
TN MAURY	40934	1590	35.63	87.08	2571
TN MEIGS	5686	495	35.52	84.81	2773
TN MONROE	24008	1708	35.45	84.25	2822
TN MONTGOMERY	49060	1396	36.50	87.39	2540
TN MOORE	3741	321	35.29	86.36	2637
TN MORGAN	15119	1396	36.13	84.65	2784
TN OBION	28168	1439	36.35	89.16	2383
TN OVERTON	16332	1141	36.34	85.29	2727
TN PERRY	5956	1064	35.64	87.86	2501
TN PICKETT	4814	409	36.56	85.07	2745
TN POLK	13260	1124	35.12	84.53	2800
TN PUTNAM	29602	1048	36.15	85.50	2708
TN RHEA	15964	808	35.61	84.93	2762
TN ROANE	34836	906	35.85	84.51	2797
TN ROBERTSON	27154	1233	36.53	86.87	2585
TN RUTHERFORD	45658	1584	35.85	86.40	2629
TN SCOTT	16535	1408	36.43	84.50	2796
TN SEQUATCHIE	5787	706	35.38	85.42	2720
TN SEVIER	23750	1545	35.79	83.52	2885
TN SHELBY	543860	1955	35.19	89.88	2326
TN SMITH	13231	837	36.26	85.96	2667
TN STEWART	8613	1217	36.50	87.84	2500
TN SULLIVAN	103171	1069	36.51	82.30	2991
TN SUMNER	34674	1383	36.47	86.45	2622
TN TIPTON	29263	1189	35.50	89.74	2336
TN TROUSDALE	5261	295	36.39	86.15	2650

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TN UNICOI	15546	478	36.10	82.44	2979
TN UNION	8597	549	36.28	83.83	2856
TN VAN BUREN	3852	657	35.70	85.45	2715
TN WARREN	22621	1137	35.68	85.77	2687
TN WASHINGTON	62035	837	36.30	82.50	2974
TN WAYNE	13037	1914	35.25	87.79	2511
TN WEAKLEY	26379	1491	36.30	88.72	2422
TN WHITE	15936	989	35.93	85.46	2712
TN WILLIAMSON	24714	1535	35.90	86.89	2586
TN WILSON	26896	1469	36.16	86.29	2638
TX ANDERSON	30296	2775	31.83	95.66	1894
TX ANDREWS	8594	3894	32.30	102.64	1296
TX ANGELINA	37636	1911	31.28	94.62	2001
TX ARANSAS	5423	712	28.24	96.95	1951
TX ARCHER	6514	2364	33.61	98.68	1582
TX ARMSTRONG	2107	2349	34.97	101.35	1319
TX ATASCOSA	19531	3123	28.90	98.53	1793
TX AUSTIN	14285	1717	29.89	96.28	1920
TX BAILEY	8233	2163	34.06	102.83	1213
TX BANDERA	4189	1976	29.74	99.25	1692
TX BASTROP	18475	2305	30.10	97.32	1826
TX BAYLOR	6461	2188	33.61	99.21	1537
TX BEE	20548	2180	28.42	97.74	1880
TX BELL	82438	2712	31.04	97.48	1772
TX BEXAR	579801	3227	29.45	98.53	1763
TX BLANCO	3726	1862	30.27	98.39	1732
TX BORDEN	1098	2349	32.74	101.44	1376
TX BOSQUE	11400	2564	31.91	97.64	1725
TX BOWIE	61121	2308	33.47	94.43	1954
TX BRAZORIA	59156	3686	29.22	95.47	2017
TX BRAZOS	41150	1517	30.66	96.31	1884
TX BREWSTER	6940	16067	29.80	103.25	1385
TX BRISCOE	3549	2263	34.53	101.22	1340
TX BROOKS	8951	2340	27.04	98.22	1927
TX BROWN	26959	2429	31.78	99.00	1616
TX BURLESON	12227	1735	30.49	96.62	1865
TX BURNET	9895	2579	30.78	98.18	1725
TX CALDWELL	18445	1408	29.84	97.63	1814
TX CALHOUN	12360	1365	28.52	96.69	1955
TX CALLAHAN	8596	2216	32.30	99.37	1565
TX CAMERON	136190	2320	26.15	97.55	2033
TX CAMP	8362	496	33.00	94.99	1917
TX CARSON	7245	2330	35.40	101.35	1312

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TX CASS	25361	2436	33.10	94.35	1970
TX CASTRO	6909	2278	34.53	102.28	1248
TX CHAMBERS	8942	1594	29.75	94.61	2062
TX CHEROKEE	36327	2716	31.85	95.17	1935
TX CHILDRESS	10553	1810	34.53	100.20	1428
TX CLAY	9240	2854	33.78	98.21	1619
TX COCHRAN	6132	2028	33.60	102.83	1228
TX COKE	3851	2358	31.89	100.53	1486
TX COLEMAN	14207	3314	31.78	99.46	1578
TX COLLIN	41500	2164	33.19	96.57	1775
TX COLLINGSWORT	7925	2315	34.96	100.27	1414
TX COLORADO	17951	2457	29.62	96.54	1912
TX COMAL	17843	1469	29.82	98.28	1764
TX COMANCHE	13963	2444	31.95	98.55	1647
TX CONCHO	4483	2599	31.33	99.88	1563
TX COOKE	22319	2343	33.64	97.21	1709
TX CORYELL	19549	2700	31.40	97.81	1730
TX COTTLE	5297	2330	34.08	100.27	1433
TX CRANE	4276	2059	31.43	102.52	1347
TX CROCKETT	4081	7235	30.70	101.41	1471
TX CROSBY	9905	2358	33.61	101.29	1359
TX CULBERSON	2239	9973	31.44	104.52	1192
TX DALLAM	7069	3869	36.27	102.61	1191
TX DALLAS	757907	2225	32.77	96.78	1769
TX DAWSON	19141	2336	32.74	101.96	1333
TX DEAF SMITH	10843	3910	34.96	102.61	1210
TX DELTA	7642	715	33.42	95.68	1847
TX DENTON	43943	2358	33.20	97.12	1728
TX DE WITT	22002	2356	29.07	97.36	1874
TX DICKENS	6235	2411	33.61	100.76	1403
TX DIMMIT	10416	3480	28.42	99.76	1728
TX DONLEY	5465	2343	34.97	100.81	1366
TX DUVAL	14689	4698	27.68	98.51	1865
TX EASTLAND	22065	2465	32.33	98.83	1610
TX ECTOR	62884	2349	31.86	102.55	1323
TX EDWARDS	2656	5376	29.96	100.31	1597
TX ELLIS	44691	2434	32.35	96.80	1781
TX EL PASO	245587	2737	31.76	106.24	1044
TX ERATH	17499	2809	32.24	98.21	1665
TX FALLS	24405	1978	31.25	96.93	1808
TX FANNIN	28123	2343	33.60	96.11	1805
TX FAYETTE	22566	2419	29.88	96.92	1869
TX FISHER	9683	2340	32.74	100.40	1463

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
TX FLOYD	11314	2571	34.07	101.29	1345
TX FOARD	3753	1750	33.98	99.77	1479
TX FORT BEND	35082	2250	29.54	95.78	1976
TX FRANKLIN	5767	758	33.20	95.22	1891
TX FREESTONE	14349	2239	31.72	96.15	1856
TX FRIO	10251	2889	28.86	99.11	1750
TX GAINES	10337	3856	32.73	102.64	1277
TX GALVESTON	124670	1033	29.38	94.94	2052
TX GARZA	6423	2367	33.17	101.28	1373
TX GILLESPIE	10320	2731	30.30	98.94	1687
TX GLASSCOCK	1102	2235	31.86	101.51	1406
TX GOLIAD	5882	2256	28.66	97.43	1891
TX GONZALES	19754	2734	29.45	97.50	1843
TX GRAY	27622	2419	35.40	100.81	1360
TX GRAYSON	71565	2434	33.63	96.68	1755
TX GREGG	64732	730	32.51	94.82	1944
TX GRIMES	14104	2074	30.54	96.00	1915
TX GUADALUPE	26931	1849	29.59	97.96	1801
TX HALE	31861	2536	34.07	101.81	1301
TX HALL	9397	2291	34.53	100.68	1387
TX HAMILTON	9741	2185	31.70	98.12	1692
TX HANSFORD	5054	2349	36.27	101.35	1303
TX HARDEMAN	9388	1779	34.30	99.74	1474
TX HARDIN	21701	2322	30.35	94.40	2054
TX HARRIS	992194	4462	29.87	95.40	1992
TX HARRISON	46832	2315	32.58	94.38	1980
TX HARTLEY	2026	3853	35.83	102.60	1196
TX HASKELL	12650	2270	33.17	99.73	1505
TX HAYS	18729	1683	30.05	98.03	1772
TX HEMPHILL	3724	2340	35.83	100.27	1402
TX HENDERSON	22715	2441	32.23	95.87	1864
TX HIDALGO	169142	3995	26.40	98.19	1971
TX HILL	28040	2615	31.99	97.13	1765
TX HOCKLEY	21231	2351	33.61	102.33	1270
TX HOOD	5352	1103	32.43	97.83	1690
TX HOPKINS	21414	2053	33.17	95.57	1862
TX HOUSTON	21362	3203	31.34	95.43	1931
TX HOWARD	32424	2358	32.30	101.44	1393
TX HUDSPETH	3897	11794	31.44	105.38	1126
TX HUNT	41315	2139	33.13	96.08	1819
TX HUTCHINSON	32790	2266	35.83	101.35	1306
TX IRION	1419	2778	31.30	100.99	1475
TX JACK	7612	2447	33.23	98.18	1636

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
TX JACKSON	13400	2201	28.93	96.58	1943
TX JASPER	20916	2349	30.76	94.03	2070
TX JEFF DAVIS	1884	5850	30.71	104.14	1263
TX JEFFERSON	216578	2463	29.91	94.17	2091
TX JIM HOGG	5235	2959	27.05	98.71	1891
TX JIM WELLS	30779	2188	27.73	98.10	1893
TX JOHNSON	32804	1917	32.38	97.37	1731
TX JONES	20936	2475	32.74	99.89	1506
TX KARNES	16224	1963	28.90	97.86	1844
TX KAUFMAN	30647	2111	32.61	96.29	1815
TX KENDALL	5627	1735	29.93	98.71	1724
TX KENEDY	739	3610	26.93	97.75	1968
TX KENT	2028	2278	33.17	100.76	1417
TX KERR	15207	2851	30.04	99.36	1667
TX KIMBLE	4329	3299	30.46	99.75	1615
TX KING	774	2444	33.61	100.25	1448
TX KINNEY	2577	3607	29.34	100.43	1623
TX KLEBERG	25418	2204	27.44	97.77	1935
TX KNOX	9138	2204	33.60	99.74	1492
TX LAMAR	39298	2315	33.69	95.57	1849
TX LAMB	20812	2646	34.07	102.34	1256
TX LAMPASAS	9708	1880	31.19	98.25	1702
TX LA SALLE	6845	3884	28.35	99.11	1781
TX LAVACA	21321	2525	29.38	96.94	1892
TX LEE	9636	1649	30.31	96.98	1844
TX LEON	11141	2854	31.31	96.01	1883
TX LIBERTY	28795	3055	30.16	94.81	2028
TX LIMESTONE	23194	2411	31.55	96.58	1827
TX LIPSCOMB	3549	2419	36.27	100.27	1398
TX LIVE OAK	8540	2731	28.35	98.13	1854
TX LLANO	5320	2436	30.70	98.69	1688
TX LOVING	228	1677	31.85	103.59	1241
TX LUBBOCK	124517	2312	33.61	101.80	1315
TX LYNN	10981	2370	33.17	101.80	1330
TX MCCULLOCH	10471	2760	31.20	99.37	1611
TX MCLENNAN	138653	2589	31.56	97.20	1774
TX McMULLEN	1159	3002	28.35	98.58	1820
TX MADISON	7463	1242	30.97	95.94	1902
TX MARION	9270	983	32.83	94.37	1975
TX MARTIN	5343	2358	32.30	101.95	1351
TX MASON	4450	2422	30.71	99.24	1643
TX MATAGORDA	23340	2996	28.88	96.00	1991
TX MAVERICK	13236	3338	28.74	100.32	1667

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
TX MEDINA	17820	3501	29.35	99.12	1722
TX MENARD	3661	2367	30.88	99.83	1587
TX MIDLAND	43606	2432	31.86	102.02	1365
TX MILAM	23018	2662	30.78	96.98	1823
TX MILLS	5348	1901	31.50	98.61	1660
TX MITCHELL	13036	2382	32.30	100.92	1437
TX MONTAGUE	16146	2413	33.67	97.72	1663
TX MONTGOMERY	25496	2823	30.32	95.51	1964
TX MOORE	13958	2353	35.83	101.89	1258
TX MORRIS	10771	672	33.14	94.73	1935
TX MOTLEY	3496	2537	34.08	100.77	1390
TX NACOGDOCHES	29363	2336	31.64	94.63	1988
TX NAVARRO	37581	2771	32.05	96.47	1818
TX NEWTON	10636	2457	30.81	93.75	2091
TX NOLAN	19452	2387	32.30	100.40	1480
TX NUECES	189312	2177	27.73	97.67	1925
TX OCHILTREE	7447	2349	36.27	100.81	1350
TX OLDHAM	1779	3828	35.40	102.60	1202
TX ORANGE	48977	930	30.14	93.89	2105
TX PALO PINTO	18589	2454	32.75	98.32	1639
TX PANOLA	18239	2250	32.19	94.32	1997
TX PARKER	22107	2339	32.77	97.81	1681
TX PARMER	7401	2225	34.52	102.79	1204
TX PECOS	10799	12276	30.78	102.73	1366
TX POLK	15210	2848	30.81	94.84	2000
TX POTTER	91308	2325	35.40	101.89	1264
TX PRESIDIO	6553	10079	29.99	104.24	1302
TX RAINS	3728	543	32.88	95.79	1850
TX RANDALL	22332	2367	34.97	101.89	1272
TX REAGAN	3403	2931	31.36	101.52	1430
TX REAL	2310	1610	29.82	99.83	1642
TX RED RIVER	19231	2674	33.65	95.06	1895
TX REEVES	14253	6754	31.32	103.69	1262
TX REFUGIO	10477	2004	28.34	97.17	1929
TX ROBERTS	1047	2327	35.83	100.81	1354
TX ROBERTSON	18313	2270	31.02	96.52	1852
TX ROCKWALL	6042	381	32.90	96.41	1797
TX RUNNELS	16022	2740	31.83	99.98	1533
TX RUSK	39828	2432	32.13	94.77	1960
TX SABINE	8031	1180	31.36	93.87	2062
TX SAN AUGUSTIN	8365	1224	31.42	94.18	2033
TX SAN JACINTO	6736	1615	30.60	95.18	1979
TX SAN PATRICIO	39740	1773	28.02	97.52	1919

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TX SAN SABA	7700	2900	31.16	98.82	1657
TX SCHLEICHER	2827	3446	30.89	100.54	1530
TX SCURRY	21752	2340	32.74	100.92	1420
TX SHACKELFORD	4571	2297	32.74	99.36	1551
TX SHELBY	22203	2015	31.81	94.15	2023
TX SHERMAN	2511	2371	36.27	101.89	1254
TX SMITH	79650	2419	32.40	95.28	1909
TX SOMERVELL	2558	509	32.23	97.77	1702
TX STARR	15302	3135	26.57	98.74	1920
TX STEPHENS	9870	2327	32.74	98.83	1595
TX STERLING	1240	2367	31.83	101.05	1446
TX STONEWALL	3401	2398	33.17	100.25	1461
TX SUTTON	3741	3866	30.48	100.54	1551
TX SWISHER	9251	2320	34.53	101.76	1293
TX TARRANT	436582	2229	32.77	97.29	1725
TX TAYLOR	79398	2361	32.30	99.89	1522
TX TERRELL	2943	6192	30.22	102.07	1447
TX TERRY	14455	2327	33.17	102.33	1285
TX THROCKMORTON	3251	2382	33.17	99.21	1549
TX TITUS	17081	1082	33.24	94.97	1912
TX TOM GREEN	61352	3884	31.40	100.47	1512
TX TRAVIS	182724	2620	30.33	97.78	1779
TX TRINITY	8979	1831	31.10	95.14	1963
TX TYLER	11023	2380	30.79	94.39	2038
TX UPSHUR	20384	1513	32.76	94.95	1927
TX UPTON	5704	3397	31.36	102.03	1389
TX UVALDE	16360	4112	29.35	99.76	1673
TX VAL VERDE	19964	8393	29.88	101.15	1537
TX VAN ZANDT	21104	2188	32.58	95.85	1854
TX VICTORIA	37712	2309	28.79	96.98	1919
TX WALKER	20721	2046	30.75	95.59	1939
TX WALLER	12005	1317	30.01	95.99	1938
TX WARD	14013	2142	31.51	103.11	1296
TX WASHINGTON	19949	1538	30.22	96.40	1895
TX WEBB	59822	8562	27.76	99.35	1799
TX WHARTON	36964	2786	29.28	96.24	1952
TX WHEELER	9312	2367	35.40	100.27	1407
TX WICHITA	109133	1582	33.99	98.70	1571
TX WILBARGER	19364	2465	34.08	99.24	1522
TX WILLACY	20564	1531	26.48	97.70	2001
TX WILLIAMSON	37235	2858	30.65	97.61	1778
TX WILSON	14067	2077	29.18	98.08	1812
TX WINKLER	11587	2297	31.85	103.07	1282

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TX WISE	16514	2387	33.21	97.66	1681
TX WOOD	19755	1866	32.81	95.38	1888
TX YOAKUM	5906	2149	33.17	102.83	1244
TX YOUNG	17001	2299	33.18	98.68	1594
TX ZAPATA	4401	2478	27.01	99.18	1860
TX ZAVALA	11840	3344	28.86	99.76	1701
UT BEAVER	4633	6692	38.37	113.23	289
UT BOX ELDER1	438	10158	41.85	113.50	583
UT BOX ELDER2	21561	4353	41.71	112.17	624
UT CACHE	34494	3040	41.73	111.75	646
UT CARBON	23300	3822	39.65	110.59	563
UT DAGGETT	703	1766	40.88	109.51	719
UT DAVIS	45270	768	41.00	112.12	562
UT DUCHESNE	7725	8429	40.30	110.43	615
UT EMERY	5980	11496	39.00	110.70	520
UT GARFIELD	3904	13358	37.86	111.43	416
UT GRAND	3791	9535	38.99	109.57	611
UT IRON1	605	4273	37.79	113.92	204
UT IRON2	2034	2564	37.84	112.84	296
UT IRON3	7496	1709	37.67	113.07	270
UT JUAB	5391	8836	39.70	112.78	414
UT KANE1	1516	8594	37.04	112.53	308
UT KANE2	941	1516	37.27	111.64	388
UT MILLARD	8739	17593	39.08	113.10	346
UT MORGAN	2654	1562	41.09	111.59	600
UT PIUTE	1711	1952	38.34	112.12	375
UT RICH	1678	2650	41.63	111.25	665
UT SALT LAKE	320858	1978	40.68	111.93	546
UT SAN JUAN	6897	19960	37.63	109.80	555
UT SANPETE	12688	4135	39.38	111.58	473
UT SEVIER	11433	4995	38.75	111.81	420
UT SUMMIT	6288	4788	40.87	110.96	621
UT TOOKELE1	3278	13446	40.73	114.05	449
UT TOOKELE2	12733	4482	40.52	112.30	511
UT UNTAH	10845	11620	40.12	109.53	671
UT UTAH	92569	5215	40.13	111.67	518
UT WASATCH	5462	3085	40.33	111.18	566
UT WASHINGTON1	887	1571	37.57	113.72	212
UT WASHINGTON2	5702	2200	37.11	113.58	215
UT WASHINGTON3	3430	2514	37.17	113.29	241
UT WAYNE	2001	6438	38.33	110.90	476
UT WEBER	94981	1504	41.27	111.94	596
VT ADDISON	19712	2031	44.03	73.15	3882

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VT BENNINGTON	24526	1739	43.04	73.10	3866
VT CALEDONIA	23516	1584	44.46	72.10	3983
VT CHITTENDEN	67607	1379	44.46	73.10	3896
VT ESSEX	6183	1717	44.72	71.74	4020
VT FRANKLIN	29716	1708	44.86	72.92	3921
VT GRAND ISLE	3204	215	44.80	73.30	3887
VT LAMOILLE	11236	1227	44.60	72.64	3939
VT ORANGE	16598	1787	44.01	72.38	3948
VT ORLEANS	20747	1852	44.84	72.24	3980
VT RUTLAND	46251	2401	43.58	73.04	3881
VT WASHINGTON	42865	1831	44.28	72.61	3934
VT WINDHAM	29186	2031	42.99	72.72	3898
VT WINDSOR	41568	2491	43.58	72.59	3921
VA ACCOMACK	32478	1233	37.77	75.63	3583
VA ALBEMARLE	55929	1942	38.02	78.56	3325
VA ALLEGHANY	28736	1171	37.78	80.01	3195
VA AMELIA	7873	947	37.33	77.98	3374
VA AMHERST	21448	1217	37.60	79.15	3271
VA APPOMATTOX	8928	893	37.37	78.81	3300
VA ARLINGTON	155994	105	38.88	77.10	3458
VA AUGUSTA	70203	2595	38.16	79.13	3274
VA BATH	5892	1399	38.06	79.74	3219
VA BEDFORD	30123	1901	37.32	79.52	3237
VA BLAN	6244	955	37.13	81.13	3094
VA BOTETOURT	16171	1418	37.55	79.81	3212
VA BRUNSWICK	19133	1500	36.77	77.86	3385
VA BUCHANAN	36165	1316	37.26	82.04	3014
VA BUCKINGHAM	11692	1507	37.57	78.53	3325
VA CAMPBELL	81444	1434	37.22	79.10	3274
VA CAROLINE	12577	1411	38.03	77.35	3432
VA CARROLL	26431	1297	36.73	80.73	3130
VA CHARLES CITY	5027	468	37.36	77.08	3454
VA CHARLOTTE	13767	1217	37.01	78.67	3313
VA CHESTERFIELD	286971	1144	37.39	77.58	3410
VA CLARKE	7444	450	39.12	78.01	3380
VA CRAIG	3412	869	37.47	80.21	3176
VA CULPEPER	14027	1007	38.49	77.96	3380
VA CUMBERLAND	6871	754	37.51	78.25	3350
VA DICKENSON	22047	860	37.12	82.36	2986
VA DINWIDDIE	89445	1355	37.08	77.63	3405
VA ESSEX	6598	647	37.94	76.96	3466
VA FAIRFAX	247759	1054	38.84	77.28	3442
VA FAUQUIER	22449	1708	38.74	77.81	3394

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VA FLOYD	10971	992	36.93	80.37	3162
VA FLUVANNA	7166	746	37.83	78.28	3348
VA FRANKLIN	25138	1853	36.99	79.89	3204
VA FREDERICK	33787	1057	39.21	78.28	3356
VA GILES	18216	940	37.31	80.71	3132
VA GLOUCESTER	11015	591	37.42	76.55	3501
VA GOOCHLAND	9052	748	37.72	77.92	3380
VA GRAYSON	20684	1171	36.65	81.21	3088
VA GREENE	4734	395	38.30	78.47	3334
VA GREENSVILLE	16248	779	36.68	77.56	3411
VA HALIFAX	40669	2074	36.76	78.93	3290
VA HANOVER	24350	1203	37.76	77.49	3418
VA HENRICO	82841	748	37.54	77.42	3424
VA HENRY	53009	1014	36.68	79.89	3204
VA HIGHLAND	3711	1076	38.37	79.58	3236
VA ISLE OF WIGH	15869	820	36.89	76.73	3485
VA JAMES CITY	15180	406	37.31	76.78	3481
VA KING AND QUE	6126	823	37.72	76.90	3470
VA KING GEORGE	6936	456	38.27	77.17	3449
VA KING WILLIAM	7575	720	37.71	77.09	3454
VA LANCASTER	8865	354	37.74	76.47	3509
VA LEE	31732	1134	36.71	83.12	2918
VA LOUDOUN	22590	1338	39.09	77.65	3411
VA LOUISA	12883	1338	37.98	77.96	3377
VA LUNENBURG	13438	1144	36.95	78.24	3351
VA MADISON	8237	847	38.42	78.28	3351
VA MATHEWS	7136	230	37.43	76.35	3519
VA MECKLENBURG	32615	1584	36.68	78.35	3341
VA MIDDLESEX	6542	336	37.63	76.57	3499
VA MONTGOMERY	40287	1033	37.17	80.39	3160
VA NELSON	13497	1220	37.79	78.89	3294
VA NEW KENT	4199	543	37.50	77.00	3461
VA NORTHAMPTON	17160	570	37.37	75.91	3558
VA NORTHUMBERLA	10088	492	37.89	76.42	3513
VA NOTTOWAY	15332	798	37.14	78.05	3367
VA ORANGE	12817	919	38.25	78.01	3374
VA PAGE	15329	817	38.62	78.49	3334
VA PATRICK	15493	1202	36.69	80.30	3168
VA PITTSYLVANIA	102742	2636	36.82	79.40	3248
VA POWHATAN	6063	696	37.55	77.91	3380
VA PRINCE EDWAR	14854	924	37.22	78.44	3333
VA PRINCE GEORG	19915	737	37.19	77.24	3439
VA PRINCE WILLI	34323	899	38.71	77.48	3423

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VA PULASKI	27547	850	37.06	80.71	3132
VA RAPPAHANNOCK	5797	692	38.69	78.16	3363
VA RICHMOND	6268	492	37.94	76.73	3486
VA ROANOKE	144202	785	37.26	80.06	3190
VA ROCKBRIDGE	29326	1572	37.81	79.45	3245
VA ROCKINGHAM	48661	2256	38.52	78.89	3298
VA RUSSELL	26594	1251	36.93	82.09	3009
VA SCOTT	26860	1396	36.71	82.61	2963
VA SHENANDOAH	21447	1313	38.87	78.57	3327
VA SMYTH	30563	1127	36.83	81.53	3059
VA SOUTHAMPTON	26813	1569	36.72	77.10	3452
VA SPOTSYLVANIA	25519	1075	38.19	77.65	3406
VA STAFFORD	14019	699	38.42	77.46	3424
VA SURRY	6219	716	37.10	76.90	3469
VA SUSSEX	12625	1279	36.92	77.26	3438
VA TAZEWELL	46354	1351	37.12	81.56	3056
VA WARREN	14738	567	38.92	78.21	3360
VA WASHINGTON	54224	1497	36.72	81.96	3020
VA WESTMORELAND	10526	592	38.11	76.83	3478
VA WISE	53037	1076	36.97	82.62	2962
VA WYTHE	22752	1190	36.91	81.07	3100
VA YORK	15689	333	37.22	76.54	3502
VA NORFOLK/CHES	424997	1096	36.70	76.31	3522
VA HAMPTON	72300	142	37.04	76.35	3519
VA NEWPORT NEWS	94805	178	36.97	76.42	3512
VA SUFFOLK/NANS	40137	1057	36.69	76.64	3493
VA VIRGINIA BEA	59052	671	36.74	76.22	3530
WA ADAMS	8005	4904	46.98	118.56	1132
WA ASOTIN	11741	1638	46.20	117.20	1028
WA BENTON	55924	4459	46.24	119.52	1072
WA CHELAN	39914	7557	47.87	120.62	1275
WA CLALLAM	27936	4539	48.06	123.92	1416
WA CLARK	88920	1624	45.77	122.49	1132
WA COLUMBIA	4736	2208	46.30	117.92	1048
WA COWLITZ	55253	2962	46.19	122.68	1181
WA DOUGLAS	12549	4741	47.73	119.70	1236
WA FERRY	4008	5702	48.47	118.52	1294
WA FRANKLIN	17721	3244	46.54	118.90	1091
WA GARFIELD	3106	1835	46.43	117.55	1057
WA GRANT	33751	6927	47.20	119.46	1174
WA GRAYS HARBOR	53994	4946	47.16	123.74	1321
WA ISLAND	14716	549	48.15	122.53	1367
WA JEFFERSON	10777	4674	47.76	123.55	1371
WA KING	818856	5511	47.48	121.78	1272

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
WA KITSAP	79318	1017	47.60	122.65	1317
WA KITTITAS	21482	6000	47.12	120.68	1198
WA KLICKITAT	12646	4941	45.87	120.79	1074
WA LEWIS	42953	6275	46.57	122.40	1206
WA LINCOLN	10946	5972	47.57	118.42	1194
WA MASON	15544	2491	47.35	123.20	1315
WA OKANOGAN	27598	13729	48.55	119.74	1325
WA PACIFIC	15753	2351	46.56	123.68	1261
WA PEND OREILLE	7201	3631	48.53	117.27	1286
WA PIERCE	295305	4340	48.01	122.18	1341
WA SAN JUAN	3086	464	48.45	122.99	1415
WA SKAGIT	46704	4493	48.47	121.71	1372
WA SKAMANIA	4966	4329	46.02	121.92	1131
WA SNOHOMISH	137345	5433	48.04	121.67	1326
WA SPOKANE	245691	4553	47.62	117.40	1187
WA STEVENS	18287	6425	48.40	117.86	1277
WA THURSTON	49204	1849	46.91	122.83	1257
WA WAHKIAKUM	3659	675	46.29	123.41	1224
WA WALLA WALLA	41010	3268	46.23	118.49	1049
WA WHATCOM	68259	5505	48.82	121.69	1407
WA WHITMAN	31956	5575	46.90	117.51	1108
WA YAKIMA	139720	11053	46.45	120.74	1131
WV BARBOUR	17934	882	39.13	80.00	3203
WV BERKELEY	31816	817	39.47	78.03	3381
WV BOONE	31301	1297	38.02	81.71	3045
WV BRAXTON	16837	1323	38.70	80.72	3136
WV BROOKE	27774	228	40.28	80.58	3164
WV CABELL	108110	723	38.43	82.24	3000
WV CALHOUN	9279	727	38.85	81.12	3102
WV CLAY	13679	888	38.46	81.07	3104
WV DODDRIDGE	8151	826	39.27	80.71	3142
WV FAYETTE	73639	1717	38.03	81.07	3101
WV GILMER	9028	878	38.92	80.86	3125
WV GRANT	8561	1238	39.11	79.20	3274
WV GREENBRIER	37235	2657	37.95	80.45	3156
WV HAMPSHIRE	12208	1655	39.32	78.62	3327
WV HANCOCK	36608	215	40.53	80.58	3167
WV HARDY	9726	1514	39.01	78.87	3303
WV HARRISON	82137	1082	39.29	80.39	3171
WV JACKSON	16678	1193	38.85	81.67	3053
WV JEFFERSON	17813	546	39.31	77.86	3394
WV KANAWHA	245281	2349	38.34	81.52	3064
WV LEWIS	20497	1014	39.00	80.50	3158
WV LINCOLN	21531	1134	38.17	82.06	3015

State county	Population	Area (km <sup>2</sup> )	Latitude (degrees)	Longitude (degrees)	Distance from NTS (km)
WV LOGAN	70671	1180	37.83	81.94	3024
WV McDOWELL	87191	1379	37.38	81.66	3048
WV MARION	68206	805	39.51	80.24	3186
WV MARSHALL	37380	786	39.87	80.67	3152
WV MASON	23930	1120	38.77	82.03	3021
WV MERCER	72119	1079	37.40	81.11	3096
WV MINERAL	22341	854	39.41	78.95	3299
WV MINGO	44148	1096	37.72	82.14	3006
WV MONONGALIA	58597	944	39.63	80.04	3205
WV MONROE	12470	1224	37.56	80.55	3147
WV MORGAN	8320	602	39.56	78.27	3360
WV NICHOLAS	26730	1662	38.29	80.80	3127
WV OHIO	70300	274	40.10	80.63	3158
WV PENDLETON	8794	1800	38.68	79.36	3257
WV PLEASANTS	6691	333	39.37	81.17	3102
WV POCAHONTAS	11485	2441	38.33	80.01	3197
WV PRESTON	29633	1670	39.47	79.67	3235
WV PUTNAM	22100	900	38.51	81.90	3030
WV RALEIGH	88436	1566	37.77	81.25	3085
WV RANDOLPH	28770	2682	38.78	79.88	3211
WV RITCHIE	11830	1171	39.18	81.06	3110
WV ROANE	17262	1258	38.72	81.34	3081
WV SUMMERS	17678	906	37.65	80.86	3119
WV TAYLOR	16975	450	39.34	80.05	3201
WV TUCKER	9393	1089	39.11	79.56	3242
WV TYLER	10317	663	39.47	80.89	3128
WV UPSHUR	18838	912	38.90	80.24	3181
WV WAYNE	38816	1328	38.15	82.42	2983
WV WEBSTER	16114	1427	38.50	80.42	3162
WV WETZEL	19811	940	39.61	80.64	3152
WV WIRT	4813	609	39.03	81.38	3081
WV WOOD	71550	952	39.22	81.52	3070
WV WYOMING	36391	1304	37.61	81.54	3058
WI ADAMS	7761	1673	43.97	89.76	2454
WI ASHLAND	18575	2688	46.27	90.67	2472
WI BARRON	34517	2237	45.43	91.85	2339
WI BAYFIELD	12978	3780	46.51	91.19	2442
WI BROWN	109694	1356	44.45	88.00	2619
WI BUFFALO	14499	1841	44.39	91.75	2303
WI BURNETT	9802	2175	45.86	92.38	2315
WI CALUMET	20298	833	44.08	88.22	2588
WI CHIPPEWA	43798	2636	45.08	91.28	2370
WI CLARK	32062	3161	44.74	90.61	2412
WI COLUMBIA	35165	2009	43.47	89.33	2473

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WI CRAWFORD	17101	1470	43.24	90.92	2331
WI DANE	191774	3102	43.07	89.42	2453
WI DODGE	59975	2302	43.42	88.71	2525
WI DOOR	20792	1273	44.91	87.35	2690
WI DOUGLAS	45989	3379	46.43	91.92	2380
WI DUNN	26839	2208	44.95	91.90	2314
WI EAU CLAIRE	55937	1676	44.73	91.29	2355
WI FLORENCE	3621	1261	45.85	88.41	2638
WI FOND DU LAC	70916	1877	43.75	88.50	2553
WI FOREST	8633	2608	45.66	88.77	2601
WI GRANT	42717	2971	42.87	90.70	2338
WI GREEN	24884	1514	42.68	89.61	2426
WI GREEN LAKE	15033	916	43.80	89.04	2509
WI IOWA	19617	1973	43.00	90.14	2390
WI IRON	8338	1935	46.26	90.24	2507
WI JACKSON	15683	2586	44.32	90.81	2379
WI JEFFERSON	46055	1461	43.02	88.78	2507
WI JUNEAU	18317	2004	43.92	90.11	2423
WI KENOSHA	86022	703	42.58	88.05	2557
WI KEWAUNEE	17754	854	44.51	87.61	2653
WI LA CROSSE	69664	1168	43.91	91.12	2338
WI LAFAYETTE	18141	1665	42.66	90.13	2380
WI LANGLADE	21099	2216	45.26	89.07	2560
WI LINCOLN	22278	2309	45.34	89.73	2509
WI MANITOWOC	70580	1528	44.12	87.81	2623
WI MARATHON	83966	4107	44.90	89.75	2489
WI MARINETTE	35284	3569	45.38	88.04	2650
WI MARQUETTE	8700	1178	43.82	89.39	2480
WI MENOMINEE	3031	931	45.00	88.75	2576
WI MILWAUKEE	941174	613	43.01	87.96	2576
WI MONROE	31322	2370	43.94	90.61	2381
WI OCONTO	24478	2592	45.02	88.29	2615
WI ONEIDA	21264	2879	45.70	89.52	2541
WI OUTAGAMIE	90257	1642	44.42	88.46	2579
WI OZAUKEE	29766	610	43.38	87.94	2589
WI PEPIN	7406	609	44.59	92.00	2290
WI PIERCE	21893	1528	44.73	92.43	2261
WI POLK	24954	2411	45.46	92.46	2291
WI PORTAGE	35752	2087	44.47	89.49	2494
WI PRICE	15505	3262	45.68	90.36	2472
WI RACINE	123273	872	42.75	88.06	2561
WI RICHLAND	18583	1510	43.38	90.43	2377
WI ROCK	101761	1866	42.67	89.08	2471
WI RUSK	15939	2346	45.48	91.13	2400

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WI ST CROIX	27286	1901	45.04	92.47	2271
WI SAUK	37294	2177	43.43	89.95	2420
WI SAWYER	9965	3261	45.88	91.14	2417
WI SHAWANO	33119	2380	44.84	88.76	2569
WI SHEBOYGAN	83122	1307	43.72	87.94	2599
WI TAYLOR	18193	2525	45.22	90.50	2440
WI TREMPEALEAU	23578	1904	44.31	91.36	2332
WI VERNON	26954	2077	43.60	90.83	2350
WI VILAS	9349	2246	46.05	89.51	2557
WI WALWORTH	46167	1442	42.67	88.55	2516
WI WASHBURN	11086	2115	45.90	91.79	2365
WI WASHINGTON	39097	1110	43.37	88.23	2564
WI WAUKESHA	116651	1434	43.02	88.31	2547
WI WAUPACA	35176	1945	44.47	88.96	2539
WI WAUSHARA	13737	1624	44.11	89.24	2503
WI WINNEBAGO	98257	1159	44.07	88.64	2552
WI WOOD	54157	2090	44.46	90.04	2448
WY ALBANY	20007	11001	41.65	105.72	1048
WY BIG HORN	12636	8176	44.53	107.99	1098
WY CAMPBELL	5268	12317	44.25	105.54	1229
WY CARBON	15403	20473	41.70	106.93	960
WY CONVERSE	6117	11087	42.97	105.50	1144
WY CROOK	4720	7463	44.59	104.57	1320
WY FREMONT	22378	23817	43.04	108.62	937
WY GOSHEN	12344	5770	42.09	104.36	1178
WY HOT SPRINGS	5722	5236	43.72	108.43	1004
WY JOHNSON	5032	10812	44.03	106.57	1145
WY LARAMIE	52970	7000	41.31	104.69	1112
WY LINCOLN	9022	10579	42.25	110.65	752
WY NATRONA	39168	13835	42.97	106.79	1052
WY NIOBRARA	4293	6769	43.06	104.48	1224
WY PARK	13084	18023	44.44	109.31	1018
WY PLATTE	7619	5402	42.13	104.96	1133
WY SHERIDAN	19676	6557	44.79	106.88	1185
WY SUBLETTE	3033	12563	42.77	109.91	838
WY SWEETWATER	20278	27010	41.66	108.88	817
WY TETON	2775	10359	43.71	110.57	888
WY UNTIA	7392	5402	41.29	110.55	679
WY WASHAKIE	7947	5858	43.91	107.68	1065
WY WESTON	7446	6233	43.84	104.56	1269
TOTAL	162516697	7674784			

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